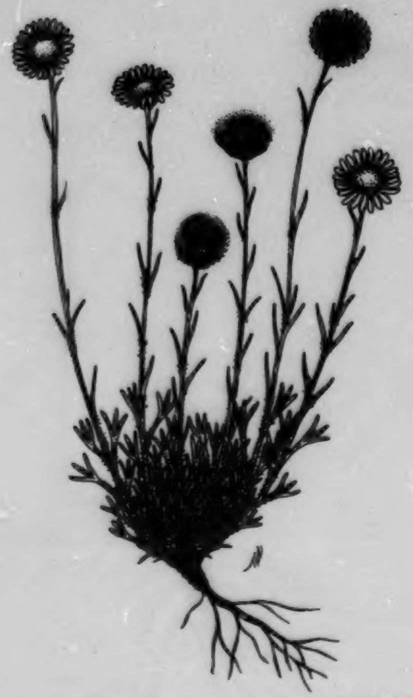
Volume 8

GENERAL SUMMARY, MAPS AND KEYS



ILLUSTRATED FLORA OF BRITISH COLUMBIA

edited by George W. Douglas, Del Meidinger and Jim Pojar

BRITISH COLUMBIA
Ministry of Sustainable Resource Management
Ministry of Forests

JUNE 2002

FOREWORD

British Columbia, Canada's most westerly province, has a bounty of biological diversity. British Columbia's snowclad peaks, rain-drenched forests, arid grasslands, all sizes of rivers, lakes, and wetlands, and a long and rugged coast provide habitats for more species of living organisms than are found anywhere else in Canada. However, this very diversity means that there is much to be discovered about these organisms – their distribution, abundance, habitat requirements, and interrelationships with their environment. Increasing our knowledge of this biodiversity will help us with the complex task of sustainably managing our land and waters.

In 1992, the provincial government initiated a co-operative biodiversity research program with funding from the Corporate Resource Inventory Initiative, the British Columbia Ministries of Forests (Research Branch), Environment, Lands, and Parks (Wildlife and Habitat Protection Branches), and Tourism and Culture (Royal B.C. Museum), and the Forest Resource Development Agreement (FRDA II).

In 1995, the Ministry of Forests Research Branch and the Ministry of Environment, Lands and Parks developed a biodiversity research and extension strategy, with the assistance of the provincial research community. This strategy was presented to Forest Renewal BC (FRBC), who provided funding for a program beginning in 1995. The goal of the extension component of this program is to extend information to scientists, resource managers, and the public through biodiversity publications. These publications are intended to increase awareness and understanding of biodiversity, promote the concepts and importance of conserving biodiversity, and communicate provincial government initiatives related to biodiversity. We hope that they will be used as tools for the conservation of British Columbia's rich, living legacy.

For more information contact:

B.C. Ministry of Sustainable Resource Management,
Conservation Data Centre,
P.O. Box 9993 Stn Prov Govt,
Victoria, BC V8W 9R7
or
B.C. Ministry of Water, Land and Air Protection,
Biodiversity Branch,
P.O. Box 9374 Stn Prov Govt,
Victoria, BC V8W 9M4
or
B.C. Ministry of Forests,
Research Branch,
P.O. Box 9519 Stn Prov Govt,
Victoria, BC V8W 9C2
or
Royal B.C. Museum,
P.O. Box 9815 Stn Prov Govt,
Victoria, BC V8W 9W2

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edited by
George W. Douglas[1], Del Meidinger[2] and Jim Pojar[3]

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[1] Conservation Data Centre
B.C. Ministry of Sustainable Resource Management
PO Box 9993 Stn Prov Govt
Victoria BC V8W 9R7

[2] Research Branch
B.C. Ministry of Forests
PO Box 9519 Stn Prov Govt
Victoria BC V8W 9C2

[3] B.C. Forest Service
Postal Bag 5000
Smithers BC V0J 2N0

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Contributors

Dr. G.W. Douglas, Conservation Data Centre, B.C. Ministry of Sustainable Resource Management, PO Box 9993 Stn Prov Govt, Victoria, BC V8W 9R7 – General summary, Maps, Monocotyledon key, Aquatic/Subaquatic key, Addenda/Errata.

Mr. D. Meidinger, Research Branch, B.C. Ministry of Forests, PO Box 9519 Stn Prov Govt, Victoria, BC V8W 9C2 – Maps, Dicotyledon key.

Ms. J. L. Penny, Conservation Data Centre, B.C. Ministry of Sustainable Resource Management, PO Box 9993 Stn Prov Govt, Victoria, BC V8W 9R7 – Maps, Descriptions.

Ms. S. Hartwell, Conservation Data Centre, B.C. Ministry of Sustainable Resource Management, PO Box 9993 Stn Prov Govt, Victoria, BC V8W 9R7 – General summary, Maps, Addenda/Errata.

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INTRODUCTION

Volume 8 completes the *Illustrated Flora of British Columbia* project which treats a total of 2993 flowering and non-flowering vascular plants, both native and naturalized, known to occur at the time of writing within the borders of British Columbia (Douglas *et al.* 1998b, 1998c, 1999a, 1999b, 2000, 2001a, 2001b, 2002). In part, it is a revision and expansion of *The Vascular Plants of British Columbia* (Douglas *et al.* 1989, 1990, 1991, 1994). Keys are included for all genera, species, subspecies and varieties. Volume 8 contains family keys, an aquatic/semi-aquatic key and maps as well as a general summary of the phytogeography and composition of the flora.

COMPOSITION OF THE FLORA

The vascular plant flora of British Columbia comprises 139 families. Within these families are a total of 2993 taxa. Of these, 2316 are native, while the remaining 677 are introduced (Table 1).

Table 1. Families and number of genera, species, subspecies, varieties, taxa and introduced taxa in the flora of British Columbia.

	Number of					
	Genera	**Species**	**Ssp.**	**Vars.**	**Taxa**	**Introduced Taxa**
GYMNOSPERMS						
1. Cupressaceae	3	5	0	0	5	0
2. Pinaceae	6	19	0	4	21	0
3. Taxaceae	1	1	0	0	1	0
Total	**10**	**25**	**0**	**4**	**27**	**0**
DICOTYLEDONS						
1. Aceraceae	1	6	0	0	6	3
2. Adoxaceae	1	1	0	0	1	0
3. Amaranthaceae	1	4	0	0	4	0
4. Anacardiaceae	2	3	0	0	3	0
5. Apiaceae	30	63	4	6	66	17
6. Apocynaceae	2	5	0	2	6	2
7. Aquifoliaceae	1	1	0	0	1	1
8. Araliaceae	3	3	0	0	3	1
9. Aristolochiaceae	1	1	0	0	1	0
10. Asclepiadaceae	1	2	0	0	2	1
11. Asteraceae	87	333	54	83	374	105
12. Balsaminaceae	1	6	0	0	6	2
13. Berberidaceae	3	5	0	0	5	1
14. Betulaceae	3	12	3	5	15	3
15. Boraginaceae	16	47	1	4	49	18
16. Brassicaceae	50	146	9	32	162	58
17. Buddlejaceae	1	1	0	0	1	1
18. Cabombaceae	1	1	0	0	1	0
19. Cactaceae	1	2	0	0	2	0
20. Callitrichaceae	1	5	2	0	6	1
21. Campanulaceae	6	16	0	1	16	5
22. Cannabaceae	1	1	0	0	1	1

	Number of					
	Genera	Species	Ssp.	Vars.	Taxa	Introduced Taxa
DICOTYLEDONS continued						
23. Capparidaceae	1	1	0	0	1	0
24. Caprifoliaceae	5	16	3	10	20	1
25. Caryophyllaceae	22	87	15	14	96	38
26. Celastraceae	2	2	0	0	2	0
27. Ceratophyllaceae	1	2	0	0	2	0
28. Chenopodiaceae	11	35	3	3	37	21
29. Clusiaceae	2	9	3	0	10	6
30. Convolvulaceae	1	3	0	0	3	2
31. Cornaceae	1	4	0	0	4	0
32. Crassulaceae	3	11	1	[illegible]	13	3
33. Cucurbitaceae	2	2	0	0	2	1
34. Cuscutaceae	1	5	0	0	5	3
35. Diapensiaceae	1	1	0	0	1	0
36. Dipsacaceae	2	2	1	0	2	2
37. Droseraceae	1	2	0	1	2	0
38. Eleagnaceae	2	3	0	0	3	1
39. Elatinaceae	1	1	0	0	1	0
40. Empetraceae	1	1	0	0	1	0
41. Ericaceae	18	43	8	7	50	3
42. Euphorbiaceae	1	9	0	0	9	7
43. Fabaceae	19	125	18	29	138	41
44. Fagaceae	1	2	0	0	2	1
45. Fumariaceae	3	8	0	0	8	2
46. Gentianaceae	7	17	4	0	17	1
47. Geraniaceae	2	10	1	1	10	5
48. Grossulariaceae	1	16	4	5	19	1
49. Haloragaceae	1	8	0	0	8	1
50. Hippuridaceae	1	3	0	0	3	0
51. Hydrangeaceae	1	1	0	0	1	0
52. Hydrophyllaceae	6	17	0	4	17	0
53. Lamiaceae	26	46	5	6	49	28
54. Lentibulariaceae	2	7	2	2	8	0
55. Limnanthaceae	2	2	0	0	2	0
56. Linaceae	1	3	1	0	3	2
57. Loasaceae	1	3	0	2	4	0
58. Lythraceae	3	5	0	0	5	3
59. Malvaceae	5	11	0	2	11	6
60. Menyanthaceae	2	2	0	0	2	0
61. Molluginaceae	1	1	0	0	1	1
62. Monotropaceae	4	5	0	0	5	0
63. Moraceae	1	1	0	0	1	1
64. Myricaceae	1	2	0	0	2	0
65. Nyctaginaceae	2	4	1	0	4	2
66. Nymphaeaceae	2	6	2	0	7	3
67. Oleaceae	2	2	0	0	2	1
68. Onagraceae	8	42	14	2	51	6

	Number of					
	Genera	Species	Ssp.	Vars.	Taxa	Introduced Taxa
DICOTYLEDONS continued						
69. Orobanchaceae	2	8	3	0	8	0
70. Oxalidaceae	1	3	0	0	3	2
71. Papaveraceae	4	12	1	0	12	7
72. Parnassiaceae	1	4	0	0	4	0
73. Plantaginaceae	1	11	1	0	11	5
74. Plumbaginaceae	1	1	2	0	2	0
75. Polemoniaceae	8	28	4	3	29	1
76. Polygalaceae	1	1	0	0	1	0
77. Polygonaceae	6	48	12	15	60	19
78. Portulacaceae	7	28	4	7	30	1
79. Primulaceae	8	29	14	1	32	5
80. Pyrolaceae	3	9	1	0	9	0
81. Ranunculaceae	16	79	7	22	85	9
82. Resedaceae	1	2	0	0	2	2
83. Rhamnaceae	2	4	0	2	5	0
84. Rosaceae	30	112	26	38	137	26
85. Rubiaceae	2	15	4	0	17	6
86. Salicaceae	2	53	10	4	60	4
87. Santalaceae	2	2	0	3	4	0
88. Sarraceniaceae	1	1	1	0	1	0
89. Saxifragaceae	13	56	9	14	66	1
90. Scrophulariaceae	25	107	9	24	114	23
91. Solanaceae	4	8	0	2	8	7
92. Thymelaeaceae	1	1	0	0	1	1
93. Ulmaceae	1	1	0	0	1	1
94. Urticaceae	2	3	2	0	4	2
95. Valerianaceae	3	9	2	2	10	2
96. Verbenaceae	1	2	0	1	2	0
97. Violaceae	1	22	5	7	23	4
98. Viscaceae	1	3	0	0	3	0
99. Zygophyllaceae	1	1	0	0	1	1
Total	**549**	**1911**	**276**	**371**	**2116**	**542**
PTERIDOPHYTES						
1. Aspleniaceae	1	3	0	0	3	0
2. Azollaceae	1	3	0	0	3	2
3. Blechnaceae	2	2	0	0	2	0
4. Dennstaedtiaceae	1	1	2	0	2	0
5. Dryopteridaceae	7	29	5	0	29	0
6. Equisetaceae	1	10	4	0	11	0
7. Hymenophyllaceae	1	1	0	0	1	0
8. Isoetaceae	1	5	0	0	5	0
9. Lycopodiaceae	4	11	0	2	12	0
10. Marsileaceae	1	1	0	0	1	0
11. Ophioglossaceae	2	17	1	0	17	0

		Number of				
	Genera	Species	Ssp.	Vars.	Taxa	Introduced Taxa
PTERIDOPHYTES continued						
12. Polypodiaceae	1	5	0	0	5	0
13. Pteridaceae	6	12	2	0	12	0
14. Selaginellaceae	1	8	0	0	8	0
15. Thelypteridaceae	2	3	0	0	3	0
Total	**32**	**111**	**14**	**2**	**115**	**2**
MONOCOTYLEDONS						
1. Acoraceae	1	1	0	0	1	0
2. Alismataceae	2	5	0	1	5	1
3. Araceae	2	2	0	0	2	0
4. Butomaceae	1	1	0	0	1	1
5. Cyperaceae	14	194	24	24	210	8
6. Hydrocharitaceae	3	4	0	0	4	2
7. Iridaceae	4	10	0	4	12	4
8. Juncaceae	2	56	6	9	64	9
9. Juncaginaceae	2	4	0	0	4	0
10. Lemnaceae	3	5	0	0	5	0
11. Liliaceae	24	54	13	16	61	6
12. Najadaceae	1	1	0	0	1	0
13. Orchidaceae	14	37	1	9	40	1
14. Poaceae	78	256	61	15	283	98
15. Pontederiaceae	1	1	0	0	1	0
16. Potamogetonaceae	2	22	4	0	24	1
17. Ruppiaceae	1	2	0	0	2	0
18. Scheuchzeriaceae	1	1	1	0	1	0
19. Sparganiaceae	1	6	0	0	6	0
20. Typhaceae	1	2	0	0	2	1
21. Zannichelliaceae	1	1	0	0	1	0
22. Zosteraceae	2	5	0	0	5	1
Total	**161**	**670**	**110**	**78**	**735**	**133**
Grand Total	**752**	**2717**	**400**	**455**	**2993**	**677**

PHYTOGEOGRAPHY

The native vascular plant flora of British Columbia has a complex and varied history, especially with respect to glaciation. It consists of a total of 2316 taxa within a number of floristic elements and sub-elements. These elements range from widespread cosmopolitan species to coastal endemics. The synopsis presented here includes the major elements in the flora, some of their sub-elements, the number of native BC taxa within these and examples of representative taxa.

Cosmopolitan Species

This is the widest ranging of our phytogeographic elements and contains those taxa that have a worldwide distribution in both hemispheres. Only a small number of our taxa (27) belong to this element. Some of these include *Isolepis cernua, Hutchinsia procumbens, Juncus bufonius, Stuckenia pectinata, Triglochin maritima* and *Zostera marina*.

Bipolar Disjuncts

Plants in this element occur in both the Northern and Southern Hemispheres. This type of disjunction is not readily explained although Raven (1963) has suggested that most of these plants probably reached their disjunct areas by long-distance dispersal relatively recently. A total of 45 BC taxa belong to this element. Typical examples include *Lilaea scilloides, Osmorhiza berteroi, Pectocarya penicillata, Sanicula graveolens, Schoenoplectus americanus* and *Trifolium microdon*.

Circumpolar Species

This group of widely distributed plants contains 16% (365 in total) of our flora. Although this element could be further subdivided into circumboreal, circumarctic and circumalpine elements (sensu Schofield 1969) we have not attempted that here. Representative species include *Carex pauciflora, Hierochloe hirta ssp. arctica, Listera cordata, Potentilla nana, Salix arctica, Saxifraga hieraciifolia* and *Senecio congestus*.

Amphiberingian Species

This element includes species that occur on both sides of the Bering Sea, extending westward into Asia and eastward into North America. The role of the Bering Land Bridge in the distribution of northern plants has been the subject of numerous floristic papers (e.g. Hulten 1937, Porsild 1955, etc.). We have also included within this element a number of North Pacific Basin species that probably did not extend their ranges via the Bering Land Bridge but rather by the Aleutian Island Chain. Many of these North Pacific Basin species (i.e., *Carex macrochaeta, Hymenophyllum wrightii* and *Platanthera chorisiana)* are readily identified but many others, due to more continental distribution, are not. A total of 179 taxa (8% of the flora) belong to this amphiberingian element. Examples of these include *Arnica lessingii, Antennaria monocephala, Cardamine oligosperma, Carex membranacea, Rumex arcticus, Senecio fuscatus* and *Spiraea stevenii*.

North American Maritime Species

Taxa belonging to this element occur along both the Pacific and Atlantic Coasts in North America and sometimes along the Arctic Coast. Some of the nine plants in this element include *Salicornia virginica, Senecio pseudoarnica, Spergularia canadensis* var. *canadensis* and *Puccinellia pumila*.

North American Radiants

Plants in this element range across large parts of North America. For this treatment, we have recognized this as a broad group, without sub-elements (i.e., American boreal, southern North American, etc.). Twenty-six percent of the flora (a total of 612 taxa) occurs in this element. Representative species include *Carex peckii, Platanthera orbiculata, Primula mistassinica, Senecio pauperculus, Solidago multiradiata, Sporobolus compositus* and *Vaccinium caespitosum*.

Cordilleran Species

This group contains species that occur primarily in the western Cordillera but which may have a small part of their range extending into more eastern or northern regions. These taxa comprise about 35% of the flora (a total of 816 taxa). Typical examples of Cordilleran species are *Arnica latifolia, Aster engelmannii, Draba albertina, Lupinus wyethii, Phacelia sericea, Rubus pedatus, Saxifraga mertensiana* and *Senecio cymbalarioides.*

Alaska-Yukon-Northwestern British Columbia Endemics

This group consists of species restricted to Alaska, Yukon and immediately adjacent northwestern British Columbia and occasionally the western Northwest Territories. Most of these endemics probably originated in a large glacial refugium in northern Alaska and the Yukon. Some, however, must have persisted on unglaciated nunataks or other areas farther south (Douglas *et al.* 1981). A small number of these (25 taxa) have reached the mountains of extreme northwestern British Columbia. Representative taxa include *Astragalus nutzotinensis, Douglasia gormanii, Montia bostockii, Oxytropis huddelsonii, O. scammaniana, Salix setchelliana* and *Senecio ogotorukensis.*

Pacific Coast Endemics

This element consists of mesophytic Pacific Coast species that have their ranges extending over large parts of the Pacific Coast between Alaska and Mexico. The 238 taxa (10% of the flora) in this Pacific Coast element may be further subdivided into three sub-elements:

Entire Pacific Coast Endemics

These taxa have ranges that extend from Alaska to Oregon, California or Mexico. This sub-element consists of 56 taxa and includes species such as *Cardamine angulata, Carex obnupta, Malus fusca, Oenanthe sarmentosa, Oxalis oregana, Poa laxiflora, Ribes bracteosum* and *Sedum oreganum.*

North Pacific Coast Endemics

This sub-element includes 30 plants that have ranges between Vancouver Island and Alaska. Ten of these plants have their main distribution in the Queen Charlotte Islands (Calder and Taylor 1968). Representative species include *Atriplex alaskensis, Castilleja unalaschcensis, Gentiana douglasiana, Lloydia serotina* var. *flava, Lupinus nootkatensis, Polystichum setigerum, Salix reticulata* ssp. *glabellicarpa* and *Senecio moresbiensis.*

South Pacific Coast Endemics

The South Pacific Coast sub-element contains taxa with ranges that extend from Vancouver Island (usually the southern part of the island) southward varying distances to Mexico. In British Columbia this sub-element consists of about seven percent of the flora (152 taxa) and is represented by taxa such as *Artemisia suksdorfii, Aster chilensis, Lomatium utriculatum, Sanicula arctopoides, S. bipinnatifida, Senecio macounii* and *Trifolium depauperatum.* A few members of this sub-element (*Bidens amplissima, Limnanthes macounii* and *Aster paucicapitatus)* do not have ranges extending beyond British Columbia or northwestern Washington.

British Columbia Endemics

Another group of endemics of interest are the 46 taxa that occur in British Columbia and immediately adjacent regions (Douglas 1996). Nine of these taxa are restricted solely to British Columbia and belong to two groups: a Queen Charlotte Island/northern Vancouver Island/adjacent mainland group (7 taxa) and a southern Vancouver Island/adjacent islands and mainland group (2 taxa). A total of 19 taxa are part of the Pacific Coast endemics described above while the remaining 27 occur in the Cordilleran region of British Columbia and immediately adjacent states and provinces.

KEY TO FAMILIES OF VASCULAR PLANTS IN BRITISH COLUMBIA

1. Plants not producing seeds, spores the usual disseminules .... PTERIDOPHYTES (See VOLUME 5)
1. Plants producing seeds.
    2. Ovules naked, not enclosed in an ovary, the pollen germinating at or near the micropyle .... GYMNOSPERMS (See VOLUME 1)
    2. Ovules enclosed in an ovary, the pollen germinating on the stigma.
        3. Embryo usually with 2 cotyledons; leaves mostly net-veined .... DICOTYLEDONS (VOLUMES 1-5)
        3. Embryo with 1 cotyledon; leaves chiefly parallel-veined .... MONOCOTYLEDONS (VOLUMES 6 and 7)

DICOTYLEDONS[1]

1. Corollas with petals separate from each other, or absent.
    2. Carpels 2 or more and separate, or solitary with 1 locule, 1 placenta, and 1 stigma (carpel solitary but appearing to have 2 locules in some *Astragalus*) .... GROUP I
    2. Carpels 2 or more (indicated by number of styles, stigmas, locules, or placentas) and united, at least toward base, to form a compound pistil.
        3. Flowers reduced considerably, usually unisexual; perianth absent or calyces very small and inconspicuous, often borne in catkins or very compact inflorescence with small flowers; plants autotrophic .... GROUP II
        3. Flowers not markedly reduced, usually bisexual; perianth present; plants autotrophic or parasitic.
            4. Flowers with superior ovaries, or less than halfway inferior.
                5. Plants herbs, or somewhat woody at base, or if shrubby then with simple leaves and a single basal ovule .... GROUP III
                5. Plants trees, shrubs or woody vines; not simple leaves and a single basal ovule .... GROUP IV
            4. Flowers with inferior ovaries, or at least halfway inferior .... GROUP V
1. Corollas with petals partly to completely united.
    6. Flowers with superior ovaries, or ovaries inferior and the number of stamens greater than corolla lobes (not including *Adoxa*) .... GROUP VI
    6. Flowers with inferior ovaries; stamens alternate with corolla lobes or fewer than corolla lobes, except in *Adoxa* where flowers have a pair of stamens at the sinus of each corolla lobe .... GROUP VII

GROUP I

(One carpel, or with 2 or more carpels and these free of each other; petals distinct or absent.)

1. Carpels usually 2 or more; herbs (except for some species in ROSACEAE).
    2. Stamens attached to hypanthium .... ROSACEAE

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[1] Key adapted from Hitchcock and Cronquist (1973) by D. Meidinger

2. Stamens attached to receptacle.

3. Stamens usually numerous, more than 10 except in a few species and these with sepals falling off early or with more than 5 carpels, or both.

4. Plants aquatic, with large, floating leaf blades; leaves elliptic- to oval-shaped, the leaf stalk attached near the centre, as in a mushroom .... CABOMBACEAE

4. Plants mostly terrestrial, some aquatic but these without large, floating leaf blades .... RANUNCULACEAE

3. Stamens 10 or fewer; sepals usually persistent; carpels 2 to 5.

5. Carpels 4 or 5; plants succulent .... CRASSULACEAE

5. Carpels 2, occasionally 3; plants not obviously succulent .... SAXIFRAGACEAE

1. Carpels solitary, or appearing so; herbs or woody plants.

6. Plants aquatic; flowers without petals, solitary in leaf axils.

7. Plants submerged, without roots; leaves alternate, dissected; stamens 10 to 16 .... CERATOPHYLLACEAE

7. Plants emergent, rhizomatous; leaves whorled, simple; stamen solitary .... HIPPURIDACEAE

6. Plants terrestrial; flowers with or without petals.

8. Flowers much reduced, mostly or all unisexual, petals absent, the sepals absent or minute; leaves simple .... URTICACEAE

8. Flowers well-developed, perfect or sometimes unisexual, usually with sepals or petals or both (perianth absent in *Achlys*, but leaves trifoliate).

9. Perianth of both sepals and petals (except absent in *Achlys*); stamens (5) 6 to 13.

10. Corollas regular (or absent in *Achlys*); stamens 6 to 13, distinct; anthers opening by terminal, uplifting valves .... BERBERIDACEAE

10. Corollas irregular (pea-like); stamens usually 10 (9 or 5), filaments all joined or 1 free; anthers opening by longitudinal slits .... FABACEAE

9. Perianth of a petal-like sepals, petals absent; stamens 4, 5 or 8.

11. Woody plants; flower parts in 4's.

12. Plants deciduous, covered with brownish, greyish or silvery scales .... ELAEAGNACEAE

12. Plants evergreen, smooth, not covered with brownish, greyish or silvery scales .... THYMELAEACEAE

11. Herbs; flower parts in 5's; stamens usually 5, sometimes 3 or 4 .... NYCTAGINACEAE

GROUP II

(Two or more carpels, these united; flowers reduced, often unisexual, lacking a perianth or only with small sepals, often in catkins or in catkin-like spikes or compact cluster resembling a single flower.)

1. Herbs.

2. Plants aquatic.

3. Leaves pinnately dissected; stamens 4 or 8; styles 4; reduced perianth present; ovary inferior and ornamented .... HALORAGACEAE

3. **Leaves simple; stamen solitary; styles 2; perianth absent; ovary nude and unornamented .... CALLITRICHACEAE**

2. **Plants terrestrial, but can be of wet sites.**
   4. **Ovaries with 3 or more ovules; fruits opening at maturity; flowers in compact clusters resembling single flower; leaves entire or toothed .... EUPHORBIACEAE**
   4. **Ovaries of solitary ovule; fruits not opening; flowers not as above; leaves coarsely lobed or cleft .... CANNABACEAE**

1. **Woody plants.**
   5. **Fruits capsules, of one locule, opening in 2 to 4 parts (valves); seeds loosely long-hairy .... SALICACEAE**
   5. **Fruits not opening; 1- to 2-seeded.**
      6. **Leaves opposite .... OLEACEAE**
      6. **Leaves alternate.**
         7. **Plants strongly aromatic; ovaries 1-celled, with a single, straight, basal ovule; styles 2 .... MYRICACEAE**
         7. **Plants not noticeably aromatic; ovules not straight, near the tip or from tip of a partial partition of the ovary; styles various.**
            8. **Plants with milky sap; fruits of multiple achenes within fleshy calyces .... MORACEAE**
            8. **Plants with watery sap; fruits not multiple.**
               9. **Ovaries superior, with one locule and ovule; perianth present, but small; flowers perfect or unisexual, not in catkins; fruits drupes or samaras; styles 2 .... ULMACEAE**
               9. **Ovaries inferior, partly or completely 2- to 3-locular; perianth present, but minute, or absent; flowers unisexual, at least the males in catkins; fruits nuts or samaras; styles 2 to 3.**
                  10. **Styles 2; ovaries partly of 2 locules; female flowers (except in *Corylus*) in cone-like catkins; fruits nuts (mostly enclosed by a hull in *Corylus*) or a narrowly winged samara .... BETULACEAE**
                  10. **Styles 3; ovaries of 3 locules; female flowers solitary or a few together, not in catkins; fruits nuts (acorns) .... FAGACEAE**

GROUP III

(Two or more carpels, these united; flowers usually normally developed, petals distinct or absent; ovaries superior; plants herbs.)

1. **Plants aquatic with large, floating leaf blades; large, long-stalked flowers at water surface, stamens many .... NYMPHAEACEAE**
1. **Plants terrestrial, or aquatic but not as above; stamens few to many.**
   2. **Plants modified to capture insects; at least some of the leaves producing digestive juices and either with sticky hairs or pitcher-like.**
      3. **Leaves pitcher-like; stamens many .... SARRACENIACEAE**
      3. **Leaves with glandular, insect-catching hairs, not pitcher-like; stamens (4) 5 .... DROSERACEAE**
   2. **Plants not modified to capture insects, not producing digestive juices.**
      4. **Placentation usually free-central or basal in a unilocular compound ovary.**

5. Ovaries with several cells, with axile placentation; our species an annual weed with whorled leaves .... MOLLUGINACEAE

5. *Ovaries usually one-celled, with free-central or basal placentation.*

6. Sepals generally 2, but always fewer than petals .... PORTULACACEAE

6. More than 2 sepals, equal to the number of petals (when the flower has petals).

7. Leaves opposite, rarely alternate or whorled; sepals 4 or 5; petals usually the same number as sepals, occasionally absent; ovules generally several to many on a free-central placenta (in a few genera, solitary on a basal placenta); herbs .... CARYOPHYLLACEAE

7. Leaves usually alternate, sometimes opposite or whorled; sepals 1 to 6, sometimes in 2 cycles; petals none; ovules solitary on a basal placenta; herbs or sometimes shrubs.

8. Fruits triangular, nutlike achenes; most genera with well developed sheathing stipules; most genera with the perianth in 2 whorls .... POLYGONACEAE

8. Fruits small, thin-walled, 1-seeded, somewhat inflated capsules (utricles); plants without sheathing stipules; perianth in 1 whorl.

9. Sepals and bracts more or less dry and papery .... AMARANTHACEAE

9. Sepals and bracts greenish and more herbaceous .... CHENOPODIACEAE

4. Placentation axile to parietal, not free-central or basal in a unilocular compound ovary.

10. Plants either with many stamens (usually more than 15) or with parietal placentation, or both, always with chlorophyll and photosynthetic (some plants with carpels joined below with axile placentation and free above with parietal placentation as in some Crassulaceae and Saxifragaceae, are also keyed here).

11. Sepals 2 or 3.

12. Flowers regular; stamens many, occasionally as few as 3; petals 4 to 6 .... PAPAVERACEAE

12. Flowers irregular; stamens 6; petals 4 .... FUMARIACEAE

11. Sepals 4 or more.

13. Stamens many, filaments joined into a tube; carpels (5) 6 to many .... MALVACEAE

13. Stamens few to many, but not joined into a tube; carpels seldom more than 5.

14. Styles 2 or more and distinct for most or all their length, or styles absent and stigmas 2 or more, separate and sessile.

15. Leaves opposite; stamens many, often joined at base into 3 to 5 groups .... CLUSIACEAE

15. Leaves alternate; stamens few to many, not joined into groups.

16. Flowers irregular, perianth and stamens attached directly to receptacle (hypogynous), stamens about 10 or more, on the inside of a partial disk; carpels 3 to 4 (6), open near tip, each with a sessile stigma .... RESEDACEAE

16. Flowers regular or nearly regular, perianth and stamens attached directly to receptacle or joined to form a hypanthium (perigynous); stamens 3 to 10; disks absent; ovaries closed before maturity of fruit, with separate styles or sessile stigmas.

17. Carpels equaling number of petals, generally 4 or 5; flowers hypogynous; plants succulent (not succulent in *Penthorum*) .... CRASSULACEAE

17. Carpels generally 2, less often 3 (*Lithophragma*) or 4 (*Parnassia*), fewer than the petals (or fewer than the sepals if petals absent or much reduced); flowers usually perigynous, seldom hypogynous, sometimes with the other floral parts attached to the lower part of ovary; plants not succulent.

18. Flowers solitary, showy; styles inconspicuous; carpels 4 .... PARNASSIACEAE

18. Flowers 2 or more or not showy; styles generally obvious; carpels 2 or 3 .... SAXIFRAGACEAE

14. Styles solitary, with 1 or more stigmas (sometimes compound) and unstalked.

19. Flowers regular or nearly regular; carpels 2; stamens usually more than 5.

20. Ovaries usually 1-celled; stamens (5) 6 or more, all more or less alike; leaves trifoliate (in our species) or palmately compound, with well defined leaflets, not dissected ..... CAPPARIDACEAE

20. Ovaries usually 2-celled; stamens usually 6, the outer 2 shorter than the inner 4, or sometimes fewer than 6; leaves simple and entire or toothed to pinnately dissected, but without distinct leaflets .... BRASSICACEAE

19. Flowers distinctly irregular; carpels 3 or 4; stamens 5 .... VIOLACEAE

10. Plants either with few stamens (up to 10, seldom to 15) and with axile placentation, or if with parietal placentation then non-green and lacking chlorophyll (some Monotropaceae).

21. Styles 2 to 5, distinct for most or all their length, or styles absent and stigmas 2 to 5, separate and unstalked.

22. Leaves compound or deeply cleft.

23. Styles fused directly to an enlarged or prolonged receptacle; ovules 1 per carpel; plants annual .... LIMNANTHACEAE

23. Styles terminal; ovules 1 to many per carpel; plants annual or perennial.

24. Fruit a beakless capsule, opening longitudinally along the median line of each locule; seeds 1 to many per carpel; leaves trifoliate .... OXALIDACEAE

24. Fruit a beaked capsule, opening along partitions between the locules, or splitting into separate carpels at maturity (a schizocarp), the carpels 1-seeded and usually also opening at maturity; leaves not trifoliate .... GERANIACEAE

22. Leaves simple, entire or merely toothed.

25. Ovules and seeds numerous in each locule; leaves opposite; plants of wet sites .... ELATINACEAE

25. Ovules and seeds 1 or 2 in each locule; leaves alternate; plants of mesic to dry sites .... LINACEAE

21. Style solitary, with 1 or more stigmas.

26. Leaves compound or dissected; stamens 10 to 15 .... ZYGOPHYLLACEAE

26. Leaves simple, entire or merely toothed, sometimes reduced considerably; stamens 2 to 10.

27. Flowers strongly perigynous (perianth and stamens joined to form a hypanthium), regular; all or some of the leaves opposite or whorled .... LYTHRACEAE

27. Flowers hypogynous (perianth and stamens attached directly to receptacle), regular or irregular; leaves alternate, or sometimes opposite or whorled (or all basal).

28. Carpels 2; stamens 2; petals none) .... (*Besseya*) SCROPHULARIACEAE

28. Carpels 4 or 5; stamens 5 to 10; petals present or absent.

29. Flowers strongly irregular; stamens 5; plants green, not parasites on mycorrhizal fungi associated with trees .... BALSAMINACEAE

29. Flowers regular; stamens more than 5, usually 8 or 10; plants lacking chlorophyll and parasitic on mycorrhizal fungi associated with trees .... (*Monotropa, Allotropa*) MONOTROPACEAE

GROUP IV

(Two or more carpels, these united; flowers normally developed,
petals distinct or absent; ovaries superior; plants woody, or somewhat so.)

1. Leaves compound or palmately lobed.

2. Carpels 3; fruits berry-like drupes; leaves pinnately compound or trifoliate; plants shrubs or vines (in our flora) .... ANACARDIACEAE

2. Carpels 2, remaining united in fruit to form double samaras; leaves lobed, except in one species where 3- to 5-foliolate; plants shrubs or trees .... ACERACEAE

1. Leaves simple, entire or toothed, sometimes much reduced.

3. Ovules and seeds many; stamens 5 to 12, generally 10.

4. Plants woody; leaves on stem, alternate or opposite .... ERICACEAE

4. Plants barely woody; leaves basal or on short stems, alternate to whorled .... PYROLACEAE

3. Ovules and seeds 1 to 2 per carpel; stamens 3 to 5.

5. Carpels 6 to 9; stamens 3; leaves small (in our species not more than 1 cm long) .... EMPETRACEAE

5. Carpels 2 to 5; stamens 4 or 5; leaves larger, often more than 1 cm long.

6. Stamens alternate with petals .... CELASTRACEAE

6. Stamens opposite petals .... RHAMNACEAE

GROUP V

(Two or more carpels, these united; flowers normally developed,
petals distinct or absent; ovaries inferior.)

1. Stamens 6 to many.

2. Leafless, spiny succulents; sepals, petals and stamens numerous .... CACTACEAE

2. Plants leafy, unarmed or thorny, seldom succulent; sepals and petals usually no more than 6.

3. Plants woody.

4. Stigmas and styles solitary; pollen sacs elongate at tips, opening by a terminal pore; creeping shrubs .... (*Oxycoccus*) ERICACEAE

4. Stigmas (and often styles) 2 to 5; pollen sacs otherwise.

5. Leaves opposite, without stipules; seeds with abundant endosperm .... HYDRANGEACEAE

5. Leaves alternate, with stipules; seeds in most genera without endosperm .... ROSACEAE

3. Plants herbaceous.

6. Sepals 2 or 3.

7. Sepals 2; styles 3 to 9, distinct for most or all their length; petals present; placentation free-central .... (*Portulaca*) PORTULACACEAE

7. Sepals 3; styles solitary, with a lobed stigma; petals absent or reduced considerably; placentation axile .... ARISTOLOCHIACEAE

6. Sepals 4 or 5 (6).

8. Styles (or sessile stigmas) 2 or 3; stamens usually 10 .... SAXIFRAGACEAE

8. Styles solitary; stamens 2 to many.

9. Stamens many; sepals and petals 5 .... LOASACEAE

9. Stamens generally 8 (2-10); sepals and petals usually 4 (2 in *Circaea*) .... ONAGRACEAE

1. Stamens 2 to 5.

10. Plants partially parasitic, but still with chlorophyll; ovaries of one locule; styles solitary.

11. Root-parasites with normal, alternate leaves .... SANTALACEAE

11. Stem-parasites, not attached to the ground; leaves opposite, often reduced considerably .... VISCACEAE

10. Plants autotrophic (nutritionally independent); ovaries with 1 to several locules; styles one to several.

12. Leaves opposite; styles solitary; stigmas head-like to 4-parted.

13. Plants woody (herbaceous in *Cornus canadensis* and *C. suecica*); fruits fleshy; stamens 4 .... CORNACEAE

13. Plants herbs; fruits dry; stamens 2 (*Circaea*) or 4 (*Ludwigia*) .... ONAGRACEAE

12. Leaves alternate; styles (or sessile stigmas) 2 to 5 (except 1 in *Hedera*).

14. Ovules and seeds several to many; inflorescences variable, but not umbels or dense heads.

15. Plants shrubs; fruits berries .... GROSSULARIACEAE

15. Plants herbs; fruits capsules .... SAXIFRAGACEAE

14. Ovules and seeds 1 per carpel; inflorescences umbels or dense heads (*Eryngium*), these often grouped into compound umbels (Apiaceae) or racemes, corymbs, or panicles (Araliaceae).

16. Plants woody; carpels 2 to 6; fruits berries (in ours) .... ARALIACEAE

16. Plants herbaceous, carpels 2; fruits schizocarps (dry, splitting at maturity) .... APIACEAE

GROUP VI

(Petals partly to completely united; ovaries superior, or if inferior then the number of stamens more than corolla lobes.)

1. Ovaries several (5), joined only below the middle, or nearly free; plants succulent; stamens 10 (*Sedum* species) .... CRASSULACEAE

1. Ovaries solitary and of 2 to several carpels, or two ovaries with a common style or stigma; plants not notably succulent; stamens numbers variable, sometimes 10.

2. Placentation free-central or basal in a unilocular ovary.

3. Corollas regular; stamens at least as many as corolla lobes; plants terrestrial or sometimes aquatic, but not insectivorous.

4. Stamens as many as corolla lobes and alternate with them or (more often) twice as many as corolla lobes (some species in family) .... CARYOPHYLLACEAE

4. Stamens as many as and opposite the corolla lobes.

5. Styles 5; ovules solitary .... PLUMBAGINACEAE

5. Styles solitary; stigmas head-like or slightly lobed; ovules several or many, seldom only 1 .... (*Douglasia*) PRIMULACEAE

3. Corollas irregular; stamens 2; plants more or less insectivorous, often aquatic .... LENTIBULARIACEAE

2. Placentation otherwise.

6. Stamens usually 8 or 10, at least twice as many as corolla lobes.

7. Flowers irregular (pea-like) .... (*Polygala*) POLYGALACEAE

7. Flowers regular (not pea-like).

8. Plants green, leaves generally normally expanded .... ERICACEAE

8. Plants reddish-brown, parasitic on mycorrhizal fungi; leaves scale-like .... (*Pterospora*) MONOTROPACEAE

6. Stamens as many as corolla lobes and alternate with them (usually 4 or 5), or fewer than corolla lobes.

9. Ovules and seeds 4 (2 per carpel), or fewer by abortion, without endosperm; fruits of 4 more-or-less distinct or separating 1-seeded nutlets, or the nutlets fewer by abortion; styles often attached directly to enlarged or prolonged receptacle.

10. Stamens 5; corollas regular or sometimes somewhat irregular; leaves usually alternate and entire .... BORAGINACEAE

10. Stamens 4 or 2; corollas somewhat to strongly irregular; leaves opposite, usually toothed or cleft.

11. Ovaries barely lobed; styles not attached directly to enlarged or prolonged receptacle; nutlets separating only at maturity; plants not notably aromatic .... VERBENACEAE

11. Ovaries more or less deeply 4-cleft; styles attached directly to enlarged or prolonged receptacle; plants usually aromatic .... LAMIACEAE

9. Ovules and seeds either more than 4, or with endosperm, or both; styles never attached directly to enlarged or prolonged receptacle; fruits not of 4 nutlets.

12. Corollas regular, or nearly so; stamens usually of the same number as the corolla lobes.

13. Plants non-green, parasitic on mycorrhizal fungi; leaves scale-like .... (*Hemitomes*) MONOTROPACEAE

13. Plants green, leaves generally normally expanded.

14. Corollas thin, dry, chaffy and persistent; perianth parts in 4's; stamens 4 or 2, carpels 2; leaves usually basal (all stem leaves in *P. psyllium*) .... PLANTAGINACEAE

14. Corollas petal-like, not thin, dry and chaffy; flowers and leaf habit diverse.

15. Leaves usually opposite; carpels 2.

16. Carpels united, forming a compound ovary that ripens into a single fruit (usually a capsule); plants without milky juice.

17. Plants herbaceous; placentation parietal; stamens and corolla lobes 4 or 5 .... GENTIANACEAE

17. Plants woody; placentation axile; stamens 2 or 4; corolla lobes 4.

18. Stamens 4 .... BUDDLEJACEAE

18. Stamens 2 .... OLEACEAE

16. Carpels mostly separate, united only by the stigmas and sometimes also the styles, ripening as separate follicles (sometimes 1 follicle aborts); plants with milky juice.

19. Pollen grouped into massive sacs; stamens 5, fused to form filament column and anther head, usually with 5 elaborate appendages on outside of filament column; flowers with a set of "hoods" (corona) between corolla and stamens .... ASCLEPIADACEAE

19. Pollen granular; stamens 'typical' and separate, or together but not physically joined; flowers without a corona .... APOCYNACEAE

15. Leaves usually alternate (except some species in Polemoniaceae and Hydrophyllaceae, which have 3 carpels).

20. Ovules 2 per carpel, placentation axile-basal, erect; our plants twining or trailing.

21. Plants with chlorophyll; leaves well developed .... CONVOLVULACEAE

21. Plants twining stem-parasites, lacking chlorophyll; leaves reduced to tiny scales .... CUSCUTACEAE

20. Ovules 1 to many per carpel, placentation axile or parietal, not basal and erect; plants erect to prostrate or sometimes scrambling, but not twining or trailing.

22. Carpels 3 or 4; placentation axile.

23. Carpels 4; plants evergreen shrubs, usually dioecious; leaves leathery, usually with spine-like teeth; fruits drupes .... AQUIFOLIACEAE

23. Carpels 3; plants evergreen or deciduous herbs, bisexual; leaves various but without spine-like teeth; fruits capsules.

24. Plants dwarf evergreen shrubs; leaves entire, leathery .... DIAPENSIACEAE

24. Plants herbaceous; leaves entire or pinnately divided, not leathery .... POLEMONIACEAE

22. Carpels 2, very rarely more; placentation various.

25. Plants aquatic or semi-aquatic; leaves with stipules, blades floating or emergent .... MENYANTHACEAE

25. Plants not aquatic; leaves without stipules.

26. Corolla lobes usually arranged in a "shingled" spiral in bud;styles shallowly to deeply cleft (except in *Romanzoffia*); placentation parietal (except in *Romanzoffia*) .... HYDROPHYLLACEAE

26. Corolla lobes various, but not arranged in a "shingled" spiral in bud; styles undivided; stigmas head-like or slightly 2-lobed; placentation axile .... SOLANACEAE

12. Corollas irregular, usually strongly so; stamens usually fewer than corolla lobes (but of same number in *Verbascum*).

27. Plants with chlorophyll, although occasionally partially parasitic; leaves well developed; placentation axile .... SCROPHULARIACEAE

27. Plants root-parasites, lacking chlorophyll; leaves reduced and scale-like; placentation parietal, but the placentas sometimes branched .... OROBANCHACEAE

GROUP VII

(Petals partly to completely united; ovaries inferior; stamens fewer or the same number as the corolla lobes except in *Adoxa*.)

1. Inflorescence a dense involucrate head of many flowers blooming in centripetal sequence; ovaries one-celled, with a solitary, erect ovule; anthers usually joined into a tube around the style .... ASTERACEAE

1. Inflorescence various, if in an involucate head then the ovules hanging, the flowers not blooming in centripetal sequence, and the anthers not joined around the style.

    2. Plants tendril-bearing vines; flowers monoecious or dioecious; leaves alternate ..... CUCURBITACEAE

    2. Plant habits various, sometimes trailing but without tendrils; flowers generally perfect; leaves opposite, alternate or whorled.

        3. Stamens free from corolla or attached only at its base; leaves alternate (sometimes all basal), without stipules .... CAMPANULACEAE

        3. Stamens attached to corolla distinctly above its base; leaves opposite or whorled (rhizome scales alternate in *Adoxa*), with or without stipules.

            4. Stipules present, those on the stem sometimes enlarged and leaf-like, the leaves then apparently whorled; corollas regular; stamens as many as corolla lobes; plants herbaceous (in ours) .... RUBIACEAE

            4. Stipules absent (except in a few Caprifoliaceae); other features not in above combination.

                5. Stamens twice as many as corolla lobes, paired in the sinuses, each with a single pollen sac; plants herbaceous; inflorescence somewhat head-like; fruits drupes .... ADOXACEAE

                5. Stamens as many as corolla lobes, or fewer, with 2 pollen sacs each; plants herbaceous; other features not in above combination.

                    6. Inflorescence dense terminal heads, cylindical to spherical, subtended by an involucre; ovaries individually enclosed by a cup-like involucel of 1 or 2 fused bractlets; fruits dry, 1-seeded; corollas 4- or 5-lobed; stamens 2 or 4 .... DIPSACACEAE

                    6. Inflorescence various, but not dense terminal heads; ovaries not individually enclosed by an involucel; fruits various; corollas usually 5-lobed.

                        7. Plants more or less woody (scarcely so in *Linnaea*); stamens usually 5 (4 in *Linnaea*); fruits diverse, often fleshy .... CAPRIFOLIACEAE

                        7. Plants herbaceous; stamens 3; fruits dry .... VALERIANACEAE

MONOCOTYLEDONS[2]

1. Flowers naked or merely subtended by much-modified, usually chaffy or bristle-like bracts.
   2. Plants floating, aquatic, thallus-like, without definite stems and leaves .... LEMNACEAE
   2. Plants rooted and (if aquatic) with stems and leaves.
      3. Leaves opposite; plants aquatic, submersed or floating.
         4. Female flowers with a single pistil and 2-4 stigmas; leaves often toothed, dilated and sheathing at the base; stipules not free .... NAJADACEAE
         4. Female flowers with (1) 2-8 (9) pistils each with a single stigma; leaves entire; stipules free, membranous .... ZANNICHELLIACEAE
      3. Leaves alternate (except sometimes the uppermost), or plants non-aquatic, or both.
         5. Plants aquatic, growing in salt or brackish waters, often marine; stems and leaves floating or submersed.
            6. Plants strictly marine; leaves 1.5-4 mm wide; fruits not long-stalked, enclosed within a spathe .... ZOSTERACEAE
            6. Plants mostly of brackish water from along the coast to inland, but sometimes marine; leaves less than 1 mm wide; fruits long-stalked, not enclosed in a spathe .... RUPPIACEAE
         5. Plants terrestrial, or (if aquatic or semi-aquatic) mostly of fresh water, never marine, often growing partially or wholly emersed.
            7. Leaves tapered, nearly circular in cross-section, basal, female flowers of two types, some borne among the sheaths of the basal leaves and with long styles that may reach to the surface of the water, others borne in mixture with the male flowers (each a single stamen) in stalked spikes .... (*Lilaea*) JUNCAGINACEAE
            7. Leaves usually flattened; female flowers (if any) usually all alike.
               8. Pistils and stamens 4; connective of the anthers broadened and sepal-like; plants with submersed or floating stems and leaves, only the inflorescence emergent .... POTAMOGETONACEAE
               8. Pistils and stamens mostly other than 4; connective of the anthers not broadened and sepal-like; plants partially or wholly terrestrial.
                  9. Flowers largely imperfect, the male and the female borne separately in heads or in an elongate, terminal spike, the male flowers uppermost; plants not grasslike.
                     10. Flowers several in globe-shaped clusters, each subtended by 3-5 chaffy bracts; fruits hardened, strongly beaked, plainly visible in the head .... SPARGANIACEAE
                     10. Flowers very numerous in terminal, cylindrical spikes, each naked or subtended merely by slender hairs; fruits neither hardened nor strongly beaked, concealed in the spikes by the subtending hairs .... TYPHACEAE
                  9. Flowers perfect or, if imperfect, then usually borne in greatly reduced spikes and the male flowers often not uppermost; plants grasses or grasslike.

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[2] Key adapted from Hitchcock *et al* (1969) by G.W.Douglas.

11. Leaves in three vertical ranks; stems often triangular, solid or pithy, without swollen-nodes; sheaths closed; each flower usually subtended by a single (occasionally 2) bract and often with several inner subtending scales or bristles; ovary sometimes enclosed in a sac-like covering; fruits achenes, usually more or less beaked; styles often three, sometimes 2 .... CYPERACEAE

11. Leaves in two vertical ranks; stems usually circular in cross-section, hollow, mostly with swollen-nodes, generally hollow stems; sheaths either open (as commonly) or partially to completely closed; each flower usually subtended by two bracts but with no more than 2 (3) inner subtending scales (these usually obscure); ovary never enclosed in a sac; fruits grains (the ovary wall grown tightly to the seed), rarely beaked; styles (in ours) no more than two .... POACEAE

1. Flowers with a perianth; perianth segments either all alike or differentiated into a calyx and corolla.

12. Plants submerged or floating aquatics, only the inflorescence emergent; flowers parts in 4's, the perianth of one sepal-like series .... POTAMOGETONACEAE

12. Plants mostly terrestrial, if aquatic or semi-aquatic, rarely either entirely submerged or floating; flower parts in 4's.

13. Flowers imperfect, the male and female borne separately in globe-shaped clusters, each subtended by 3 to 5 chaffy bracts; fruits hardened, beaked achenes .... SPARGANIACEAE

13. Flowers perfect or if (as rarely) imperfect then the male and female not borne separately in globe-shaped clusters and not subtended by 3 to 5 chaffy bracts; fruits various.

14. Inflorescence a terminal, fleshy spike, subtended by a large spathe; flowers closely crowded and more or less grown together; perianth parts and stamens four (in ours).

15. Leaves linear, less than 3 cm wide; spathes leaflike, green, not enclosing the spadix .... ACORACEAE

15. Leaves lanceolate to egg-shaped, more than 3 cm wide; spathes not leaflike, yellow or white, enclosing the spadix .... ARACEAE

14. Inflorescence various, but not a single fleshy spike subtended by a large spathe; perianth parts and stamens mostly other than four.

16. Stems usually triangular; leaves 3-ranked, grasslike; perianth of several bristles or scales, not in two series of (2) 3 each; fruits lens-shaped to triangular achenes .... CYPERACEAE

16. Plants usually with round stems and mostly not 3-ranked leaves, rarely at all grasslike; perianth segments usually in two series of (2) 3 each; fruits various.

17. Pistils more than one, quite distinct, or the carpels more or less fused but separating at maturity into 3 or 6 follicles.

18. Perianth inconspicuous, greenish, the segments essentially all alike; carpels 3 to 6.

19. Flowers in a few- (3- to 12-) flowered, bracteate raceme, the stalks in fruit 12-25 mm long; follicles strongly compressed, divergent, 1- or 2-seeded .... SCHEUCHZERIACEAE

19. Flowers in a many- (more than 12-) flowered, ebracteate spike or raceme, the stalks rarely as much as 6 mm long in fruit; follicles neither strongly compressed nor divergent, 1-seeded .... JUNCAGINACEAE

18. Perianth rather showy, the sepals green, the petals white to pink or purplish; carpels 6 or more.

20. Pistils 6, whorled; fruits follicles; flowers long-stalked in a simple umbel .... BUTOMACEAE

20. Pistils usually more than 6; fruits usually not follicles; flowers in racemes, panicles or compound umbels .... ALISMATACEAE

17. Pistil one, compound, 1- or 3-celled; fruits not follicles.

21. Plants grasslike though leaves sometimes tubular; flowers inconspicuous, the perianth mostly greenish to brownish- or purplish-green, the segments all essentially alike .... JUNCACEAE

21. Plants scarcely or not at all grasslike; perianth usually more or less showy, the corolla often not at all like the calyx in colour.

22. Ovaries superior.

23. Plants aquatic (ours); sepals and petals fused into a basal tube; stamens 3 (ours), adnate to the perianth tube .... PONTEDERIACEAE

23. Plants not aquatic or sepals and petals distinct and the 4 or 6 (ours) stamens borne on the receptacle .... LILIACEAE

22. Ovaries inferior.

24. Plants aquatic, usually submersed, mostly dioecious; stamens (1) 3-12 ... . HYDROCHARITACEAE

24. Plants terrestrial or sometimes semi-aquatic, perfect-flowered; stamens 1-3.

25. Stamens 3, free of the style; flowers regular .... IRIDACEAE

25. Stamens 1 or 2, joined with the style; flowers very irregular .... ORCHIDACEAE

KEY TO AQUATIC/SEMI-AQUATIC PLANTS IN BRITISH COLUMBIA[3,4]

1. Plants shrubs.

2. Buds enclosed in a single scale .... *Salix* (SALICACEAE)

2. Buds with 2 or more scales.

3. Leaves opposite, entire.

4. Leaves deciduous; shrubs more than 100 cm tall .... *Cornus stolonifera* (CORNACEAE)

4. Leaves evergreen; shrubs less than 100 cm tall .... *Kalmia* (ERICACEAE)

3. Leaves alternate.

5. Leaves toothed or lobed.

6. Leaves toothed near tips, yellow-dotted, aromatic .... *Myrica gale* (MYRICACEAE)

6. Leaves toothed throughout, not yellow-dotted or aromatic.

7. Leaves round-toothed, often shiny and leathery; flowers in lateral catkins, not brightly coloured .... *Betula* (BETULACEAE)

7. Leaves sharply toothed or shallowly lobed; flowers in terminal clusters, white or pink.

8. Branchlets stout, with short stout lateral spurs bearing leaves and terminal clusters of white flowers; sometimes a small tree with shredding bark .... *Malus fusca* (ROSACEAE)

8. Branchlets slender, without short lateral spurs, but with terminal dense panicles of small pink flowers .... *Spiraea douglasii* (ROSACEAE)

5. Leaves entire.

9. Leaves scurfy with minute scales, flat, green beneath .... *Chamaedaphne* (ERICACEAE)

9. Leaves not scurfy, the margins somewhat rolled under.

10. Young twigs and undersides of leaves whitened; corollas pinkish .... *Andromeda polifolia* (ERICACEAE)

10. Young twigs and leaves not whitened; corollas white .... *Ledum* (ERICACEAE)

1. Plants herbs.

11. Plants without definite stems or leaves, minute free-floating plants .... LEMNACEAE

11. Plants with stems well developed.

12. Leaves absent, not differentiated, or reduced to scales, rigid points or basal sheaths.

13. Stems bright yellow, thread-like, twining, parasite on *Salicornia* .... *Cuscuta salina* (CUSCUTACEAE)

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[3] Key by G.W. Douglas.

[4] AQUATIC HABITAT: Plants in this littoral zone habitat may be free floating, submergent or emergent. Submergent plants are completely or largely submerged throughout the growing year. Emergent plants have only their roots and lower stems permanently, or for at least most of the growing season, submerged in water. SEMI-AQUATIC HABITAT: Plants in this habitat mainly spend only the early part of the growing season submerged or standing in water. Estuary species, where plants are diurnally submerged by the tide, are included here. This habitat includes the margins of streams, rivers, ponds, lakes, marshes and swamps where water levels fall. It also includes seepage sites and temporary pools which may become quite dry by the end of the growing season.

13. Stems green, stout.

14. Stems conspicuously jointed at regular intervals; leaves scale-like or essentially absent.

15. Stems succulent, solid, and each joint ending in a pair of opposite, rigid points; flowers minute, in terminal succulent spikes .... *Salicornia* (CHENOPODIACEAE)

15. Stems parchment-textured, hollow, with whorls of coherent dark scale-leaves; spores borne in terminal cones .... *Equisetum* ((EQUISETACEAE)

14. Stems not jointed at regular intervals, with a few basal leaf sheaths only.

16. Spikes single, clearly terminal .... *Eleocharis* (CYPERACEAE)

16. Spikes single to many, appearing lateral near top of stems, due to stem-like, upright projecting bracts .... *Isolepis* (CYPERACEAE)

12. Leaves present, with well-developed blades and leaf stalks.

17. Leaves compound, or deeply dissected if simple.

18. Leaflets 4, fan-like .... *Marsilea* (MARSILEACEAE)

18. Leaflets not as above.

19. Leaves whorled or opposite.

20. Leaves 2-4 times forked .... *Ceratophyllum* (CERATOPHYLLACEAE)

20. Leaves pinnately or palmately dissected.

21. Submerged leaves divided into at least 3 sections at base, emergent leaves, if any, broad and toothed .... *Megalodonta* (ASTERACEAE)

21. Submerged leaves pinnately lobed or dissected.

22. Leaves mostly submerged (sometimes emergent late in the season), with threadlike segments .... *Myriophyllum* (HALORAGACEAE)

22. Leaves emergent, simple, flat, with lobed margins .... *Lycopus* (LAMIACEAE)

19. Leaves alternate.

23. Plants up to 5 cm long, usually floating, pinnately branched; leaves minute, obscurely 2-lobed .... *Azolla* (AZOLLACEAE)

23. Plants usually larger and rooted in mud or sand; leaves larger, with more than 2 obvious lobes.

24. Leaves palmately divided or trifoliate.

25. Leaves of 3, elliptic, entire leaflets .... *Menyanthes* (MENYANTHACEAE)

25. Leaves of 3 or more divisions that, if linear, are further divided or lobed.

26. Submerged or floating plants with submerged leaves divided at least twice into linear divisions, stalk bases and stipules sheathing the stem; flowers single, white or yellow .... *Ranunculus* (RANUNCULACEAE)

26. Emergent, tall, erect plants with palmately lobed, flat leaves, normally all above the water; stalk bases and stipules not forming a sheath; flowers in a terminal raceme, pink .... *Sidalcea hendersonii* (MALVACEAE)

24. Leaves pinnately or bipinnately divided.

27. Plants usually with small bladders on leaves or stems; leaf divisions linear or threadlike .... *Utricularia* (LENTIBULARIACEAE)

27. Plants without bladders; leaf divisions wider, flat.

28. Leaves pinnate.

29. Leaf stalk bases not sheathing stem.

30. Plants erect; petiole bases with paired stipules; leaflets irregular in size, sharply toothed .... *Geum calthifolium* (ROSACEAE)

30. Plants trailing or floating; petiole bases without stipules; leaflets egg-shaped to nearly circular, bluntly toothed or entire ...... *Rorippa* (BRASSICACEAE)

29. Leaf stalk bases sheathing stem.

31. Plants succulent, marine; flower heads yellow, button-like .... *Cotula* (ASTERACEAE)

31. Plants not succulent, not marine; flowers reddish-purple or white, not button-like.

32. Plants erect; leaflets 7 to 15, finely toothed, of two types, the submerged ones narrower; flowers white .... *Sium suave* (APIACEAE)

32. Plants trailing and floating; leaflets 5 –7, coarsely toothed, of one type; flowers reddish-purple .... *Comarum palustre* (ROSACEAE)

28. Leaves bipinnate.

33. Leaves 1/2 to 2/3 as wide as long; lateral veins of leaflets running to notches between the teeth, or, if leaflets entire, with bulblets in their axils; erect plants with chambered erect rootstocks .... *Cicuta* (APIACEAE)

33. Leaves broadly triangular, 2/3 to fully as wide as long; lateral veins of leaflets running into tips of the teeth; arching plants without chambered rootstalks .... *Oenanthe sarmentosa* (APIACEAE)

17. Leaves simple and unlobed.

34. Leaves (except bracts) in a basal tuft, or on a basal rhizome.

35. Leaves linear or lanceolate.

36. Leaves flat and ribbon-like or lanceolate.

37. Marine plants .... ZOSTERACEAE

37. Fresh water plants.

38. Inflorescence an open, bracteate panicle of long-stalked flowers; leaves lanceolate, entire, not cross-veined .... *Alisma gramineum* (ALISMATACEAE)

38. Inflorescence a narrow spathe or a globe-shaped head; leaves ribbon-like, toothed, cross-veined.

39. Inflorescence a narrow spathe .... *Vallisneria* (HYDROCHARITACEAE)

39. Inflorescence a globe-shaped head .... SPARGANIACEAE

36. Leaves not flat in cross-section.

40. Plants with long slender stolons giving rise to leaves or leaf tufts at intervals.

41. Leaves hollow, with externally visible partitions; flowers in umbels .... *Lilaeopsis* (APIACEAE)

41. Leaves solid, unpartitioned; flowers single on stalks from nodes .... *Ranunculus flammula* (RANUNCULACEAE)

40. Plants with stout, buried rhizomes or corms, or annuals.

42. Leaves triangular in cross-section; flowers in large umbels .... *Butomus* (BUTOMACEAE)

42. Leaves not triangular in cross-section.

43. Leaves flattened and set edge-on to the flowering shoot, sheathing it at base.

44. Inflorescence a dense, linear spike .... *Acorus* (ACORACEAE)

44. Inflorescence of showy flowers with 2-3 cm long, yellow petals .... *Iris pseudacorus* (IRIDACEAE)

43. Leaf not set edge-on to shoot.

45. Leaf bases widely distended around a corm, and enclosing spore cases packed with white spores .... *Isoetes* (ISOETACEAE)

45. Leaf bases either not widely distended or not enclosing a corm.

46. Leaves with distinct stipular sheaths, 1-10 cm long, at bases .... JUNCAGINACEAE

46. Leaves not sheathing at base or with a sheath not more than 5 mm long.

47. Stems awl-like or slightly flattened, erect, solid .... *Subularia* (BRASSICACEAE)

47. Stems cylindrical, ascending, hollow .... *Lobelia dortmanna* (CAMPANULACEAE)

35. Leaves with expanded blades.

48. Leaves cylindrical, pitcher-like, with an erect 'lid', often purple .... *Sarracenia* (SARRACENIACEAE)

48. Leaves various, not as above.

49. Leaf margins toothed.

50. Leaves arrowhead-shaped, with fine, cobwebby hairs below .... *Petasites sagittatus* (ASTERACEAE)

50. Leaves oval or egg- to kidney-shaped, smooth.

51. Plants with short, upright stem-bases .... *Caltha* (RANUNCULACEAE)

51. Plants with creeping rhizomes or stolons.

52. Flowers in a raceme, the stalks naked .... *Fauria* (MENYANATHACEAE)

52. Flowers solitary, the stalks with lanceolate stipules .... *Viola palustris* (VIOLACEAE)

49. Leaf margins entire.

53. Leaf blades with a deep basal sinus.

54. Leaf tips pointed.

55. Leaf blades arrowhead-shaped; flowers in whorls .... *Sagittaria* (ALISMATACEAE)

55. Leaf blades heart-shaped, flowers in a dense spike (spadix) surrounded by a spathe .... *Calla palustris* (ARACEAE)

54. Leaf tips rounded.

56. Flowers white; leaves 1-4 cm wide .... PARNASSIACEAE

56. Flowers yellow; leaves 10-30 cm wide .... NYMPHAEACEAE

53. Leaf blades blunt to somewhat notched or nearly heart-shaped at the bases.

57. Leaf blades 40-150 cm long, conspicuously net-veined; flowers in a dense spadix .... *Lysichiton* (ARACEAE)

57. Leaf blades less than 15 cm long; flowers not in a dense spadix.

58. Plants stoloniferous.

59. Leaf blades much shorter than the stalks, rounded at the tips; flowers white or pinkish .... *Limosella* (SCROPHULARIACEAE)

59. Leaf blades shorter than to slightly longer than the stalks, or absent, pointed at the tips; flowers yellow .... *Ranunculus flammula* (RANUNCULACEAE)

58. Plants not stoloniferous.

60. Flowers in panicles with whorled branches .... *Alisma* (ALISMATACEAE)

60. Flowers solitary.

61. Leaves palmately veined; flowers white .... *Parnassia* (PARNASSIACEAE)

61. Leaves pinnately veined; flowers blue to purple .... *Pinguicula* (LENTIBULARIACEAE)

34. Leaves arising along stem (basal leaves may also be present).

62. Leaves alternate.

63. Leaves linear or narrowly lanceolate, often no distinction between blades and leaf stalks.

64. Leaves set edge-on to stem.

65. Leaves 10-30 mm wide; plants 50-100 cm tall .... *Iris pseudacorus* (IRIDACEAE)

65. Leaves 2-6 mm wide; plants 5-60 cm tall.

66. Flowers greenish-brown to brownish-purple, 5-many, crowded in dense, brown heads .... *Juncus ensifolius* (JUNCACEAE)

66. Flowers yellow, (1) 2-3 on nodding stalks .... *Sisyrinchium californicum* (IRIDACEAE)

64. Leaves with flat side to stem, or cylindrical.

67. Stems triangular in cross-section.

68. Achenes enclosed in flask-shaped perigynia, as well as subtended by open scales; perianth bristles absent .... *Carex* (CYPERACEAE)

68. Achenes not enclosed in perigynia; perianth bristles present .... *Amphiscirpus, Bolboschoenus, Eriophorum, Isolepis, Rhynchospora, Schoenoplectus, Scirpus* (CYPERACEAE)

67. Stems round in cross-section.

69. Leaf-bases not expanded into a sheath around the stem; plants succulent.

70. Plants tap-rooted, of coastal marshes and beaches or inland saline or alkaline sites .... *Suaeda calceoliformis* (CHENOPODIACEAE)

70. Plants with fibrous roots, of freshwater vernal pools and seepage sites .... *Montia howellii* (PORTULACEAE)

69. Leaf-bases or leaf stalks sheathing the stem; plants not succulent.

71. Stems hollow.

72. Leaves 2-ranked, nodes swollen and solid, flowers in spikelets in terminal panicles .... POACEAE

72. Leaves 3-ranked, nodes not swollen; spikes in axillary racemes .... *Dulichium* (CYPERACEAE)

71. Stems solid.

73. Plants erect.

74. Flowers in dense, globular heads .... *Sparganium* (SPARGANIACEAE)

74. Flowers in spikes, panicles, or asymmetric heads.

75. Flowers in densely crowded, terminal, cylindrical spikes, the male flowers above the female ones; plants 100-300 cm tall .... *Typha* (TYPHACEAE)

75. Flowers not as above; plants 0.4-100 cm tall.

76. Leaves linear; fruits 3 follicles per flower .... *Scheuchzeria* (SCHEUCHZERIACEAE)

76. Leaves threadlike; fruits capsules .... *Juncus* (JUNCACEAE)

73. Plants not erect, with slender, flaccid, submerged stems.

77. Ligules absent or, if formed, less than 1 mm long.

78. Leaves threadlike; fruits capsules .... *Juncus* (JUNCACEAE)

78. Leaves ribbon-like, elongate; fruits achenes or nutlets.

79. Plants of fresh water; fruits achenes; flowers in globular heads..... .... *Sparganium* (SPARGANIACEAE)

79. Plants of the sea or tidal lagoons; fruits nutlets; flowers in flat spikes enclosed in sheathing leaf bases .... ZOSTERACEAE

77. Ligules distinct, 2 mm or more long, or the stipular sheaths free from the leaves or stalk bases and thus all ligule.

80. Flowers more than 2 per spike; tepals 4; stamens 4 .... POTAMOGETONACEAE

80. Flowers solitary or 2 per spike; tepals 2 or 6; stamens 2 or 3.

81. Flowers solitary; tepals 6; stamens 3 .... *Zosterella* (PONTEDERIACEAE)

81. Flowers 2 per spike; tepals 2; stamens 2 .... *Ruppia* (RUPPIACEAE)

63. At least some leaves with wide blades, either unstalked or with distinct stalks.

82. Leaves umbrella-like (peltate) .... *Brasenia* (CABOMBACEAE)

82. Leaves not umbrella-like.

83. Stipular sheaths absent; flowers in one-sided, uncoiling clusters .... *Myosotis* (BORAGINACEAE)

83. Stipular sheaths present.

84. Flowers solitary or few.

85. Leaves parallel-veined .... PONTEDERIACEAE

85. Leaves net-veined .... *Caltha* (RANUNCULACEAE)

84. Flowers numerous in spike-like inflorescences.

86. Stipular sheaths free from leaves or stalk bases, or, if attached then leaves of two kinds: floating leaves wider and thicker than submersed ones .... *Stuckenia* (POTAMOGETONACEAE)

86. Stipular sheaths attached to leaf bases or stalk bases, at least on basal leaves; leaves all alike.

87. Leaves parallel-veined .... POTAMOGETONACEAE

87. Leaves net-veined .... *Polygonum* (POLYGONACEAE)

62. Leaves opposite, nearly opposite, or whorled, alternate above in *Glaux*.

88. Leaves in whorls of 3, 4 or 6 to many.

89. Leaves egg-shaped to elliptic; sepals pouched, with a short recurved spur .... *Impatiens glandulifera* (BALSAMINACEAE)

89. Leaves linear to broadly lanceolate; sepals broadly lanceolate.

90. Petals lacking; leaves entire .... *Hippuris vulgaris* (HIPPURIDACEAE)

90. Petals 3; leaves minutely sharp-toothed .... *Elodea* (HYDROCHARITACEAE)

88. Leaves opposite or sub-opposite.

91. Leaves, though appearing opposite, are actually sub-opposite, the base and sheath of one of each pair arising within the sheath of the other.

92. Leaves finely saw-toothed, continuous with its sheath .... *Najas* (NAJADACEAE)

92. Leaves entire, the sheaths separate .... *Zannichellia* (ZANNICHELLIACEAE)

91. Leaves truly opposite.

93. Leaves toothed.

94. Flowers in terminal heads, each head with many ray and/or disk flowers.

95. Leaves of one type, not submerged; plants semi-aquatic .... *Bidens* (ASTERACEAE)

95. Leaves of two types, the submerged ones many-forked and threadlike; plants aquatic .... *Megalodonta* (ASTERACEAE)

94. Flowers not in terminal heads or compound heads of ray and/or disk flowers.

96. Stems round .... *Gratiola, Mimulus, Veronica* (SCROPHULARIACEAE)

96. Stems square .... *Mentha, Lycopus, Scutellaria, Stachys* (LAMIACEAE)

93. Leaves entire.

97. Stipules present .... *Spergularia* (CARYOPHYLLACEAE)

97. Stipules absent.

98. Inflorescence or flowers terminal or solitary.

99. Plants usually erect, not at all fleshy.

100. Plants less than 30 (50) cm tall; leaves elliptic, 2-6 cm long.

101. Flowers yellow, open; leaves and petals with black or clear dots .... *Hypericum* (CLUSIACEAE)

101. Flowers blue, generally closed; leaves and petals without dots .... *Gentiana sceptrum* (GENTIANACEAE)

100. Plants (20) 30-200 cm tall; leaves lanceolate, 4-8 cm long.

102. Plants usually 30-100 cm tall; leaves lanceolate, tapering to bases, ... black-dotted; flowers yellow .... *Lysimachia terrestris* (PRIMULACEAE)

102. Plants 100-200 cm tall; leaves broadly rounded to heart-shaped at the bases; flowers pink to purple .... *Lythrum salicaria* (LYTHRACEAE)

99. Plants sprawling, often rooting at nodes, with ascending branch ends or, if plants erect, then fleshy.

103. Flowers in terminal heads, each head with many ray and/or disk flowers .... *Jaumea* (ASTERACEAE)

103. Flowers solitary or in terminal racemes.

104. Flowers solitary, flesh-coloured to yellowish; sepals 5; leaves and petals with minute black or clear dots .... *Hypericum* (CLUSIACEAE)

104. Flowers in terminal racemes or axillary clusters, whitish; sepals 2; leaves without dots .... *Montia fontana* (PORTULACACEAE)

98. Inflorescence or flowers axillary.

105. Flowers in racemes.

106. Leaves with dark dots; stems upright; flowers yellow .... *Lysimachia thyrsiflora* (PRIMULACEAE)

106. Leaves without dots; stems trailing with ascending branches; flowers white, pink, or blue .... *Veronica* (SCROPHULARIACEAE)

105. Flowers not in racemes.

107. Leaves unstalked, at least if submerged, or no differentiation between the stalks and blades.

108. Petals lacking or, if present, hidden by the calyx.

109. Fruits pointed at the tips, about 2.5 mm long; stems relatively stout; leaves alternate above .... *Glaux* (PRIMULACEAE)

109. Fruits notched at the tips, 0.5-2.0 mm long; stems threadlike; leaves opposite throughout .... *Callitriche* (CALLITRICHACEAE)

108. Petals present.

110. Leaves heart-shaped and clasping at the bases; flowers purplish .... *Ammannia* (LYTHRACEAE)

110. Leaves sheathing the leaf-bases; flowers greenish or greenish-white.

111. Leaves 10-40 mm long; fruits globular, capsules 6-10 mm long .... *Honkenya* (CARYOPHYLLACEAE)

111. Leaves 3-6 mm long; fruits oblong, follicles less than 2 mm long .... *Crassula aquatica* (CRASSULACEAE)

107. Leaves stalked.

112. Leaf-tips round or blunt to minutely notched.

113. Leaf-tips round; leaves 3-veined from the bases; petals lacking; fruits pitted achenes .... *Callitriche* (CALLITRICHACEAE)

113. Leaf-tips blunt to minutely notched; leaves pinnately-veined from the bases; petals reddish; fruits smooth capsules .... *Elatine* (ELATINACEAE)

112. Leaf-tips pointed.

114. Flowers on 3-8 mm long stalks; corollas yellow; fruits capsules 5-7 mm long .... *Lysimachia ciliata* (PRIMULACEAE)

114. Flowers unstalked; petals white or absent; fruits capsules less than 4 mm long.

115. Plants emergent, erect, occurring in SC BC; petals white, sometimes pink .... *Rotala* (LYTHRACEAE)

115. Plants floating or matted, prostrate or ascending, occurring in coastal SW BC; petals absent .... *Ludwigia* (ONAGRACEAE)

REFERENCES

Calder, J.A. and R.L. Taylor. 1968. Flora of the Queen Charlotte Islands, Part 1. Can. Dept. Agric. Res. Branch Monogr. 4. 659 p.

Cody, W.J. and D.M. Britton. 1989. Ferns and fern allies of Canada. Agriculture Canada, Research Branch, Publication 1829/E. Canadian Government Publishing Centre, Ottawa, ON. iv + 430 p.

Douglas, G.W. 1996. Endemic vascular plants of British Columbia and immediately adjacent regions. Can. Field-Nat. 110:387-391.

______. 2001. *Abronia umbellata* ssp. *acutalata*: Rarest plant on the planet or the rarest plant in Canada? Menziesia 6: 4-5.

Douglas, G.W., D. Meidinger and J.L. Penny. 2002. Rare Native Vascular Plants of British Columbia. 2nd edition. B.C. Minist. Sustainable Resource Management, Minist. For., Victoria, BC. (in press)

Douglas, G.W., D. Meidinger and J. Pojar. 1999a. Illustrated flora of British Columbia. Vol. 3. Dicotyledons (Diapensiaceae through Onagraceae). B.C. Minist. Environ., Lands and Parks, Minist. For., Victoria, BC. 423 p.

______. 1999b. Illustrated flora of British Columbia. Vol. 4. Dicotyledons (Orobanchaceae through Rubiaceae). B.C. Minist. of Environ., Lands and Parks, Minist. For., Victoria, BC. 427 p.

______. 2000. Illustrated flora of British Columbia. Vol. 5. Dicotyledons (Salicaceae through Zygophyllaceae) and Pteridophytes. B.C. Minist. Environ., Lands and Parks, Minist. For., Victoria, BC. 389 p.

______. 2001a. Illustrated flora of British Columbia. Vol. 6. Monocotyledons (Acoraceae to Najadaceae). B.C. Minist. Environ., Lands and Parks, Minist. For., Victoria, BC. 361 p.

______. 2001b. Illustrated flora of British Columbia. Vol. 7. Monocotyledons (Orchidaceae to Zosteraceae). B.C. Minist. Sustainable Resource Management, Minist. For., Victoria, BC. 379 p.

Douglas, G.W., G.B. Straley, and D. Meidinger. 1989. The Vascular Plants of British Columbia. Part 1 – Gymnosperms and Dicotyledons (Aceraceae through Cucurbitaceae). Special Rept. Ser. 1. B.C. Minist. For., Victoria, BC.

______. 1990. The Vascular Plants of British Columbia. Part 2 – Dicotyledons (Diapensiaceae through Portulacaceae). Special Rept. Ser. 2. B.C. Minist. For., Victoria, BC.

______. 1991. The Vascular Plants of British Columbia. Part 3 – Dicotyledons (Primulaceae through Zygophyllaceae) and Pteridophytes. Special Rept. Ser. 3. B.C. Minist. For., Victoria, BC.

______. 1994. The Vascular Plants of British Columbia. Part 4 – Monocotyledons. Special Rept. Ser. 4. B.C. Minist. of For., Victoria, BC.

______. 1998a. Rare native vascular plants of British Columbia. B.C. Conservation Data Centre, B.C. Ministr. Environment, Victoria, BC. 423 p.

Douglas, G.W., G.B. Straley, D. Meidinger and J. Pojar. 1998b. Illustrated flora of British Columbia. Vol. 1. Gymnosperms and Dicotyledons (Aceraceae through Asteraceae). B.C. Minist. of Environ., Lands and Parks, Minist. of For., Victoria, BC. 436 p.

______. 1998c. Illustrated flora of British Columbia. Vol. 2. Dicotyledons (Balsaminaceae through Cucurbitaceae). B.C. Minist. of Environ., Lands and Parks, Minist. of For., Victoria, BC. 401 p.

Ganders, F.R., M. Berbee, and M. Pirseyedi. 2000. ITS base sequence phylogeny in *Bidens* (Asteraceae): Evidence for the continental relatives of Hawaiian and Marquesan *Bidens*. Syst. Bot. 25:122-133.

Hitchcock, C.L. and A. Cronquist. 1973. Flora of the Pacific Northwest : an illustrated flora. Univ. Wash. Press, Seattle, WA.

Hitchcock, C.L., A. Cronquist, M. Ownbey and J.W. Thompson. 1969. Vascular plants of the Pacific Northwest. Part 1. Univ. Wash. Press, Seattle, WA.

Hultén, E. 1937. Outline of the history of arctic and boreal biota during the Quaternary Period. Bokförlags Aktiebolaget, Thule.

Krajina, V.J., K. Klinka and J. Worrall. 1982. Distribution and ecological characteristics of trees and shrubs of British Columbia. Univ. of BC, Vancouver, BC.

Lane, M.A. 1993. *Grindelia*. Pages 271-274 *in* J.C. Hickman, ed. The Jepson manual: higher plants of California. Univ. Calif. Press, Los Angeles, CA. 1400 p.

Porsild, A.E. 1955. The vascular plants of the western Canadian Arctic Archipelago. Bull. Natl. Mus. Canada 135.

Raven, P.H. 1963. Amphitropical relationships in the floras of North and South America. Quart. Rev. Biol. 38:151-177.

Schofield, W.B. 1969. Phytogeography of Northwestern North America: Bryophytes and vascular plants. Madrono 209:155-207.

Wagner, W.H., Jr. and F.S. Wagner. 1993. Ophioglossaceae. Pages 85-106 *in* Flora of North America Editorial Committee, eds. Flora of North America North of Mexico – Volume 2. Pteridophytes and Gymnosperms. Oxford Univ. Press Inc. New York, NY.

Washington Natural Heritage Program. 1994. Endangered, threatened and sensitive vascular plants of Washington. Dep. Nat. Res. Olympia, WA. (unpubl.).

ADDENDA/ERRATA

Volume 1

Illustration scales for floral parts:
These should be used with caution since a number of errors were introduced to the final copy. Almost all 0.5 mm scales should read 5 mm. Description measurements should be checked on the facing page for each part.

Page 2 – U.S. State abbreviations – at Missouri and Montana should read MO and MT, respectively.

Page 5 – end of text – delete "constricted between the seeds".

CUPRESSACEAE

Page 7 – illustration, ***Chamaecyparis nootkatensis*** – "2 cm" should read "3 mm"; "1 cm" should read "8 mm".

Page 9 – illustration, ***Juniperus scopulorum*** – "0.5 mm" should read "3 mm".

PINACEAE

Page 25 – illustration, ***Pinus ponderosa*** – "2.5 cm" should read "5 cm".

ACERACEAE

Page 30 – at ***Acer macrophyllum***, English name – after "**bigleaf**" add "**maple**".

ANACARDIACEAE

Page 38 – at ***Toxicodendron diversilobum***, "**Leaves**" – after "sometimes" add "sharp-pointed at the tips".

APIACEAE

Page 41 – at APIACEAE key, 1st lead #17 – "8-22 long" should read "8-22 mm long; at 1st lead #23 – insert "to sparsely soft-hairy" after "glabrous"; at "Habitat/Range" – "S" should read "SC".

Page 44 – at ***Angelica dawsonii***, "Habitat/Range" – "rare" should read "infrequent".

Page 48 – at ***Berula erecta*** – name entry should read "***Berula erecta*** **(Huds.) Cov.** (*B. erecta* var. *incisa* [Torr.] Cronq., *Sium incisum* Torr.); "Fruits"- "inconspicuous" should read "conspicuous".

Page 46 – at ***ANTHRISCUS*** key – 1st lead #2 – "bracklets" should read "bractlets".

Page 49 – illustration, top right – "***Berula erecta* var. *incisa***" should read "***Berula erecta***".

Page 50 – at ***CICUTA*** key – 2nd lead #3 – "lancelolate" should read "lanceolate".

Page 54 – at ***Cnidium cnidifolium*** – the specific name "***cnidifolium***" should read "***cnidiifolium***".

Page 55 – illustration, top left – "***cnidifolium***" should read "***cnidiifolium***"; top left, "5 mm" should "10 mm".

Page 59 – illustration, top right – "***Glehnia littoralis***" should read "***Glehnia littoralis* ssp. *leiocarpa***".

Page 62 – at ***Ligusticum scothicum*** – "***scothicum***" should read "***scoticum***".

Page 62 – at ***Ligusticum verticillatum*** – "Habitat/Range" – line 2, delete SC.

Page 63 – illustration, top right – "***scothicum***" should read "***scoticum***".

Page 64 – at ***LOMATIUM*** key, 2nd lead #4 – "*L. brandegei*" should read "*L. brandegeei*".

Page 66 – at ***Lomatium ambiguum***, "**General**", line 2 – after "stems" insert "10-80 cm tall,".

Page 66 – at ***Lomatium brandegei*** – "*brandegei*" should read "*brandegeei*".

Page 66 – at ***Lomatium dissectum***, "Habitat/Range", end of first line – "infrequent" should read "rare".

Page 67 – illustration, top right – "***brandegei***" should read "***brandegeei***".

Page 67 – illustration, bottom of page. ***Lomatium dissectum*** – "1 mm" should read "8 cm".

Page 71 – illustration, top left, ***Lomatium macrocarpum*** – replace top left "2 cm" with "5 mm".

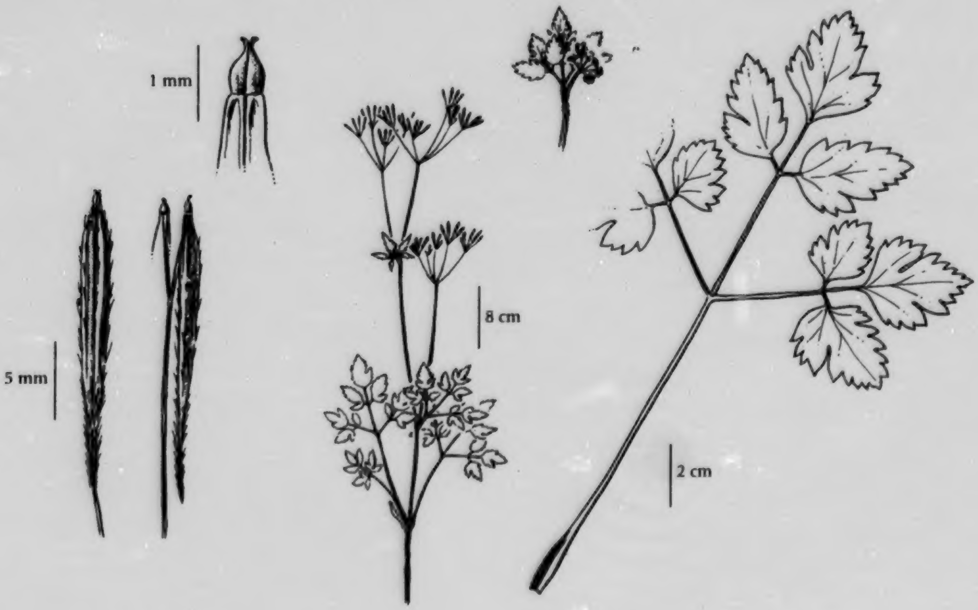
Page 71 – illustration, top right, ***Lomatium martendalei*** – add "var. ***angustatum***".

Page 72 – at ***Lomatium triternatum***, "HABITAT/RANGE" – after first semicolon, should read "frequent in SC and SE BC (ssp. *triternatum*), rare on S Vancouver Island (ssp. *platycarpum*) .

Page 74 – at ***Myrrhis odorata***, "**General**" – "30-1.8 m" should read "30-180 cm"; "**Fruits**" – insert "with" after "ribs"; "**Leaves**" – add "times" after "2-4".

Page 75 – illustration, ***Myrrhis odorata*** – "2.5 mm" should read "5 mm".

Page 77 – illustration of ***Osmorhiza berteroi*** is incorrect -replace with the following:



Osmorhiza berteroi

Page 77 – illustrations – all "5 mm" should read "10 mm".

Page 78 – at ***Osmorhiza purpurea***, "**Leaves**" – add "cm" after "0.5-4".

Page 79 – illustration, ***Osmorhiza purpurea*** – "5 mm" should read "8 mm".

Page 80 – at ***Sanicula arctopoides*** – English name should read "**snake-root sanicle**".

Page 82 – at ***Sanicula marilandica***, "HABITAT/RANGE", second line, after first semicolon – should read "infrequent in S and C BC, scattered in NE BC;".

Page 84 – at ***Sium suave***, "**General**", line 2 – "0.5-1.2 cm" should read "0.5-1.2 m".

Page 84 – at ***Torilis arvensis***, "HABITAT/RANGE" is missing – it should read as follows:

HABITAT/RANGE:

Mesic to dry roadsides and waste places in the lowland zone; rare in SW BC, known only from the lower Fraser Valley; introduced from Eurasia.

Page 85 – illustration, ***Torilis arvensis*** – "1 mm" should read "0.7 mm".

ARALIACEAE

Page 92 – at ***Aralia nudicaulis***, "General" – "woody" should read "woody at base".

ASCLEPIADACEAE

Page 97 – illustration, ***Asclepias ovalifolia*** – "1 cm" should read "2 cm".

Page 97 – illustration, ***Asclepias speciosa*** – replace left "2 mm" with 2 cm".

ASTERACEAE

Page 98 – at **ASTERACEAE** key, 2nd lead #8 – after "orange" insert ", red or pink (in *Agoseris lackschewitzii)*"; at 1st lead #9 – *Hieracium pilosella* will key here.

Page 100 – at **ASTERACEAE** key, 1st lead #3 – "*Megalodontia*" should read "*Megalodonta*".

Page 114 – at ***Ambrosia artemisiifolia***, "General"- "0.1-1.0 cm" should read "10-100 cm".

Page 139 – illustration, ***Arnica angustifolia* ssp. *tomentosa*** – on right side "2 mm" should read "5 mm".

Page 140 – at ***Arnica chamissonis***, in synonymy – "*chammissonis*" should read "*chamissonis*".

Page 140 – at ***Arnica chamissonis***, "HABITAT/RANGE" – "common in BC" should read "ssp. *chamissonis* and ssp. *foliosa* common in BC, ssp. *incana* rare".

Page 141 – illustrations, ***Arnica chamissonis*** – "var." should read "ssp.".

Page 144 – at ***Arnica fulgens*** key, 2nd lead #1, – insert "G." in front of "Ruyle-Dougl.".

Page 144 – at ***Arnica gracilis*** – English name should read "**tall mountain arnica**".

Page 146 – at ***Arnica latifolia***, "**Leaves**" – "lanceeolate" should read "lanceolate".

Page 152 – at ***Artemisia absinthium***, "General" – "4.0-1.2 m" should read "40-120 cm".

Page 156 – at ***Artemisia frigida***, authority – "Willd" should read "Willd.".

Page 158 – at ***Artemisia lindleyana***, "HABITAT/RANGE" – "rivers" should read "rivers and lakeshores".

Page 160 – at ***Artemisia ludoviciana***, "HABITAT/RANGE", for var. *incompta* – "known only from Nelson" should read "known recently only from Cherryville and Sage Creek".

Page 162 – at ***Artemisia suksdorfii***, "**Leaves**" – insert "on the upper side" after "glabrate".

Page 164 – at ***Artemisa tridentata***, "**Flowers**" – line 3, "taller" should read "higher".

Page 164 – at ***Artemisia tripartita***, English name – "**sage brush**" should read "**sagebrush**".

Page 166 – at key, 2nd lead #1 – "annuals" should read "perennials".

Page 174 – at ***Aster curtus***, in synonymy – "*Seriocarpos*" should read "*Sericocarpos*".

Page 176 – at ***Aster ericoides***, "General" – "3-20 cm" should read "30-200 cm".

Page 180 – at ***Aster laevis* var. *geyeri***, "**Flowers**" – "5-7 cm" should read "5-7 mm".

Page 180 – at ***Aster lanceolatus***, "General" – "rare" should read "infrequent" and after "SW" insert "and NE (Peace River)".

Page 182 – at ***Aster paucicapitatus*** – "**Robins**" should read "**(B.L. Robins.) B.L. Robins**".

Page 184 – at ***Aster puniceus* var. *puniceus***, "HABITAT/RANGE" – "Lac La Biche" should read "La Biche River".

Page 186 – at ***Aster stenomeres***, "**General**" – "fibrous-rooted-rooted" should read "fibrous-rooted".

Page 188 – at ***Aster subspicatus* var. *subspicatus***, after "**Flowers**" and "**Fruits**" – replace text with the following:

> **Flowers:** Heads with ray and disk flowers, few to more commonly many in a round-topped inflorescence; involucres 5-6 mm tall; involucral bracts often strongly graduated, linear to lanceolate, abruptly sharp-pointed, usually with a conspicuous, yellowish or brownish basal portion and with an evidently thin,

dry, papery or sometimes minutely fringed margin; ray flowers 20-30, violet, 10-15 mm long; disk flowers yellow.

Fruits: Achenes faintly nerved, more or less hairy; pappus usually reddish at maturity.

Page 192 – at ***Bidens amplissima***, "**Leaves**" – after "3-parted," add "sometimes most or all leaves simple in a population"; at "**Fruits**" after "flat" add "summits concave, sometimes nearly flat, not thickened," and at "Notes:" add 2nd sentence to read "Recent work by Ganders *et al.* (2000) shows that its ITS and isozyme similarity to *B. cernua* and *B. tripartita* suggest it is a recently evolved species."

Page 194 – at ***Bidens tripartita***, "**General**" – "0.2-1.0 cm" should read "20-100 cm".

Page 196 – at ***Brickellia grandiflora***, "Habitat/Range" – insert "Paulson and" before "Sage Creek".

Page 196 – at ***Brickellia oblongifolia* var. *oblongifolia***, "**Fruits**" – insert "long" after "4-6 mm".

Page 198 – at ***Carduus acanthoides***, "**Flowers**" – "1.5-2.5 mm" should read "1.5-2.5 cm".

Page 198 – at ***Carduus nutans* ssp. *leiophyllus***, "**Flowers**" – " 2-8 mm" should read "2-8 cm"; 3rd line – add "2-8 mm wide" after "egg-shaped"..

Page 202 – at ***Centaurea*** key, 1st lead #7 – "*C. debauxii*" should read "*C. debeauxii*".

Page 204 – at ***Centaurea cyanus***, "**Fruits**" – "stongly" should read "strongly".

Page 204 – at ***Centaurea debauxii*** – "***debauxii***" should read "***debeauxii***".

Page 205 – illustration, upper right – "***Centaurea debauxii***" should read "***Centaurea debeauxii***".

Page 208 – at ***Centaurea nigrescens*** – English name – " **knotweed**" should read "**knapweed**".

Page 216 – at ***Cirsium drummondii***, "Habitat/Range" – "frequent in SC and SE BC, less frequent in the Peace River area" should read "rare in the Peace River area;".

Page 216 – at ***Cirsium foliosum***, "Habitat/Range" – "YK" should read "YT".

Page 219 – illustration, ***Cirsium scariosum***, lower left part, "1 mm" should read "8 mm"; lower right part "5 mm" should read "10 mm".

Page 221 – illustration, ***Cirsium undulatum***, lower left part, "1 cm" should read "5 mm".

Page 224 – at ***CREPIS*** key, 1st lead #9 – "*C. atrabarba*" should read "*C. atribarba*".

Page 226 – at ***Crepis atrabarba*** – "***atrabarba***" should read "***atribarba***".

Page 226 – at ***Crepis atribarba***, "Habitat/Range" – "ssp. *atrabarba*" should read "ssp. *atribarba*".

Page 226 – at ***Crepis atribarba*** key, 1st lead #1 – "*atrabarba*" should read "*atribarba*".

Page 227 – illustration, top of page – "*atrabarba* ssp. *atrabarba*" should read "*atribarba* ssp. *atribarba*".

Page 230 – at ***Crepis modocensis*** – at English name – at end of line add "(ssp. *modocensis*); western **low hawksbeard** (ssp. *rostrata*).

Page 232 – at ***Crepis nicaeensis***, "**General**" – "3-1.1 m tall" should read "30-110 cm tall".

Page 232 – at ***Crepis occidentalis***, "Habitat/Range" – "all subspecies frequent in BC" should read "frequent (ssp. *costata*, ssp. *occidentalis*) or rare (ssp. *pumila*) in SC BC, frequent in SE BC (ssp. *occidentalis*).

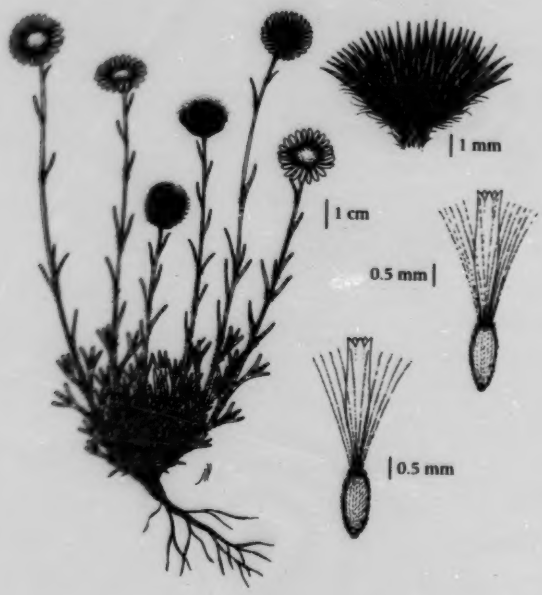
Page 236 – at ***Doronicum pardalianches***, "Habitat/Range" – insert "Fraser" before "Valley".

Page 238 – at ***ERIGERON*** key, 1st lead #2 – "0.6-1.5 cm" should read "60-150 cm".

Page 244 – at ***Erigeron compositus***, "Habitat/Range" – after "common throughout BC" add "(var. *glabratus*), rare in SC BC (var. *discoideus*); var. glabratus" – and after "CA" add ", var. *discoideus* – N to YT and S to CO and WA"; at "**Leaves**" – after "Basal leaves" add "3-forked or" and at "Notes" add 2nd sentence to read – "The var. *discoideus* was first recorded in BC in 1999 at Merritt (Douglas *et al.* 2002). The two varieties may be distinguished as follows:

1. Leaves 2-4 times divided in 3's .... var. *glabratus* Macoun
1. Leaves 3-forked .... var. *discoideus* A. Gray

Page 245 – add illustration for ***Erigeron compositus*** **var.** ***discoideus***.



Erigeron compositus var. *discoideus*

Page 248 – ***Erigeron humilis*** – English name should read "arctic-alpine daisy".

Page 258 – at ***Erigeron strigosus***, "**Flowers**" – "abruptly abruptly" should read "abruptly"; "**Fruits**" – "female" should read"ray".

Page 259 – illustration, ***Erigeron trifidus*** – part on left, "1 mm" should read "2 mm".

Page 260 – at ***Erigeron uniflorus*** **ssp.** ***eriocephalus***, synonymy – "*E. eriocephalis*" should read " *E. eriocephalus*".

Page 260 – at ***Eupatorium cannabinum***, "**Leaves**" – line 2, delete "simple".

Page 260 – at ***EUPATORIUM*** – key needed as follows:

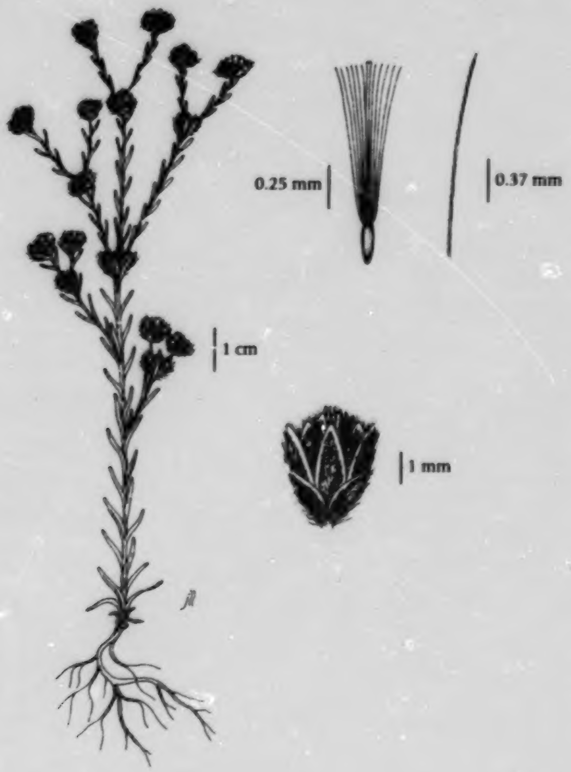
1. Leaves glabrous, saw-toothed, the teeth several; disk flowers 5-6, reddish-mauve or whitish .... *E. cannabinum*
1. Leaves with spreading, curly hairs below, saw-toothed, the teeth numerous; disk flowers 9-22, purple .... *E. maculatum*

Page 262 – at ***Eupatorium maculatum*** **ssp.** ***bruneri***, "**General**" – "0.6-2.0 cm tall" should read "60-200 cm tall".

Page 262 – at ***Euthamia occidentalis***, "**Flowers**" – "broady" should read "broadly"; "7-22 mm" should read "1.5-2.5 cm".

Page 264 – at ***Filago arvensis***, "HABITAT/RANGE" – delete "east of the Coast-Cascade Mountains";"**Leaves**" – insert "up to" in front of "4 cm".

Page 265 – illustration of ***Filago minima*** is incorrect. Replace with the following:



Filago minima

Page 266 – at ***Gaillardia aristata***, "Habitat/Range" – "River" should read "Fraser Valley".

Page 267 – illustration, ***Gaillardia aristata*** – at ray flower, "2 cm" should read "1 cm".

Page 268 – at ***Galinsoga quadriradiata***, synonymy – "*C. ciliata*" should read "*G. ciliata*".

Page 270 – at ***Gnaphalium stramineum***, **"Leaves"** – line 1, "lanceoalte" should read "lanceolate"; **"Flowers"** – "1 mm" should read "1-3 mm".

Page 274 – at ***GRINDELIA*** key – add *Grindelia hirsutula* after 1st lead #1 as follows:

1a. Stems smooth to sparsely hairy, rarely with stiff, translucent hairs; leaves entire to toothed, the teeth mainly

1a. Stems densely grandular, also with some stiff, translucent hairs, sometimes sparsely hairy; leaves with regular teeth 1-2.5 mm long .... *G. hirsutula*

> Notes: This key is applicable only to the Vancouver Island-Gulf Island area where good material of *G. hirsutula* from two sites has been verified by Meridith Lane, student of *Grindelia* (see Lane [1993]). Pacific Coast *Grindelia* spp. are still in need of a thorough taxonomic treatment over their entire range.

Page 274 – insert ***Grindelia hirsutula*** var. ***hirsutula*** entry as follows:

Grindelia hirsutula **var.** ***hirsutula***
hairy gumweed
Habitat/Range:
Dry sites in the lowland zone; rare on the Gulf Islands, known only from Lasqueti Island; disjunct S to CA.

DESCRIPTION:

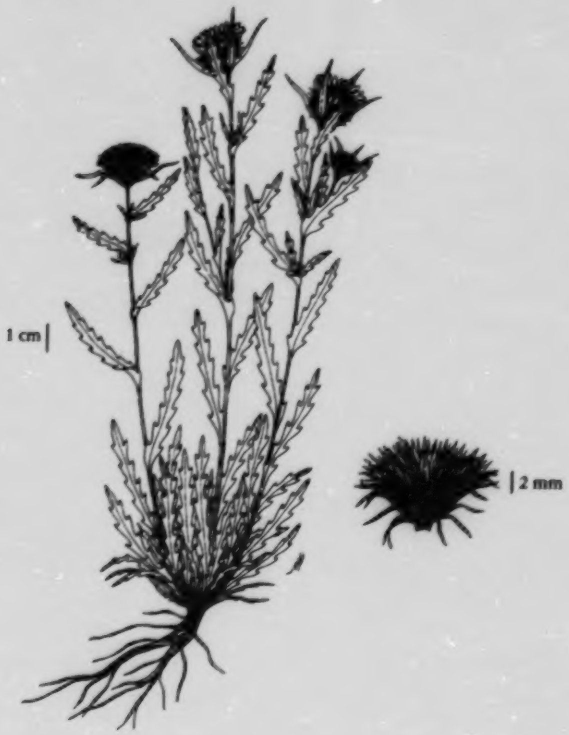
General: Perennial herb from a taproot and a stout, branched stem-base; stems erect, few branched above, densely glandular, also with some stiff, translucent hairs; 20-80 cm tall.

Leaves: Basal leaves toothed; stem leaves alternate, oblong to lanceolate, stiff-hairy, toothed, the teeth regular and 1-2.5 mm long.

Flowers: Inflorescence of solitary or a flat-topped cluster of heads, the heads 12-23 mm wide; rays yellow, 20-60; involucral bracts erect to reflexed, outer ones long, slender.

Fruits: Achenes compressed, smooth to ridged, 4.5-5 mm long; pappus awns flat.

Page 275 – insert illustration of ***Grindelia hirsutula*** **var.** ***hirsutula***.



Grindelia hirsutula **var.** ***hirsutula***

Page 276 – at ***Helenium autumnale***, "General" – "0.5-1.2 m" should read "0.15-1.2 m".

Page 281 – illustration, ***Heterotheca villosa*** var. ***hispida*** – upper right part, "1 mm" should read "2 mm".

Page 282 – at ***HIERACIUM*** key, 2nd lead #12 – delete "without glandular hairs".

Page 282 – at ***HIERACIUM*** key, 2nd lead #13 – "*lachenali*" should read "*lachenalii*".

Page 282 – at ***Hieracium aurantiacum***, "Fruits" – delete "exceeding the achenes".

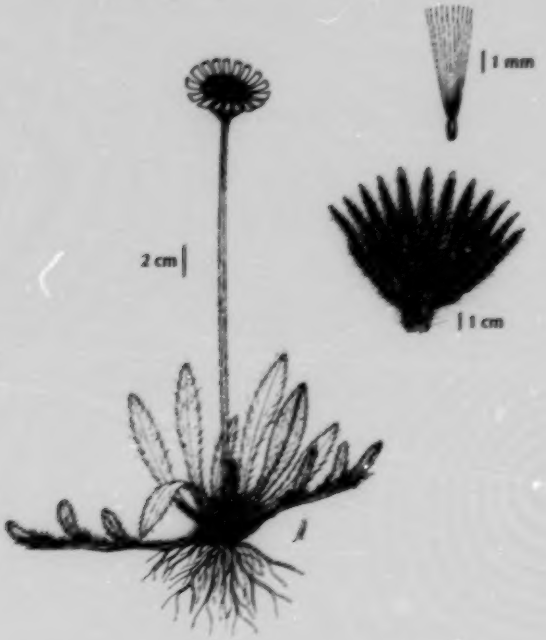
Page 284 – at ***Hieracium caespitosum***, "HABITAT/RANGE" – prior to "River" insert "Fraser".

Page 285 – illustration, ***Hieracium flagellare*** – add "ssp. ***flagellare***".

Page 288 – at ***Hieracium sabaudum***, "HABITAT/RANGE" – "River" should read "Fraser".

Page 288 – at ***Hieracium sabaudum***, "Leaves" – delete "cm wide" at end of section.

Page 289 – illustration of *Hieracium pilosella* is incorrect. Replace with the following:



Hieracium pilosella

Page 290 – at *Hieracium scouleri*, English name – "hounds-tonque" should read "hounds-tongue".

Page 291 – illustrations, *Hieracium scouleri* – all achene measurements should read "3 mm".

Page 293 – illustration, *Hieracium umbellatum* ssp. *umbellatum* – at upper right part "2 mm" should read "3 mm".

Page 301 – illustration, *Lactuca muralis* –both "1 cm" measurements should read "2 mm".

Page 304 – at *Leontodon taraxacoides*, "Habitat/Range" – "River" should read "Fraser".

Page 306 – at *Leucanthemum integrifolium*, "Habitat/Range" – "alpine zone" should read "subalpine and alpine zones".

Page 307 – illustration, bottom of page – "*Leontodon taraxacoides*" should read "*Leucanthemum vulgare*".

Page 309 – illustration, *Lygodesmia juncea* – "2 mm" on right should read "10 mm".

Page 310 – at *Madia exigua*, "Flowers", line 3 – "5-8" should read "4-8".

Page 312 – at *Madia minima*, "Habitat/Range" – delete "rare in extreme SC BC " and replace with "rare in SW BC (Victoria area) and SC BC (Anarchist Mountain)".

Page 318 – at *Megalodonta beckii*, "Habitat/Range" – "rare" should read "infrequent".

Page 318 – at *MICROSERIS* key, 2nd lead # 2 "galbrous" should read "glabrous".

Page 318 – at *Microseris bigelovii*, "General" – after "Island" insert "and Hornby Island".

Page 319 – illustration, *Megalodonta beckii* – "1 mm" should read "1 cm".

Page 321 – illustration, *Microseris lindleyi*, left part, "2 mm" should read "5 mm".

Page 321 – illustration, *Microseris nutan*, "*nutan*" should read "*nutans*".

Page 326 – at *Petasites sagittatus*, "Fruits" – "capilary" should read "capillary".

Page 328 – at ***Prenanthes alata,*** **"Flowers"** – "principle"' should read "principal".

Page 330 – at ***Prenanthes sagittata,*** **"Flowers"** – "principle"' should read "principal".

Page 329 – illustration, ***Prenanthes alata*** – "2 mm" should read "5 mm"; "1 mm" should read "2 mm".

Page 330 – at ***PSILOCARPHUS*** key, 2nd lead #2 – "2.5-3.2 mm" should read "2.5-4 mm".

Page 331 – illustration, ***Prenanthes sagittata*** – "1.5 mm" should read "5 mm".

Page 332 – at ***Psilocarphus tenellus*** **var.** ***tenellus,*** **"Flowers"** – "ballon-like" should read "balloon-like". **"Fruits"** – "0.6-1.2 long" should read "0.6-1.2 mm long".

Page 332 – at ***Pyrrocoma carthamoides,*** "HABITAT/RANGE" – after "grasslands" add "and rocky ridges".

Page 333 – illustration, ***Psilocarphus tenellus*** **var.** ***tenellus*** – replace left-hand "1 mm" with "0.5 mm", replace right-hand "1 mm" with "2 mm".

Page 335 – illustration, ***Ratibida columnifera*** – top left "1 mm" should read "5 mm"; top right "5 mm should read 1 cm".

Page 336 – at ***Rudbeckia laciniata*** **var.** ***ampla,*** "HABITAT/RANGE" – place "Fraser" in front of "River".

Page 337 – illustration, ***Saussurea americana*** – lower left part "2 mm" should read "4 mm".

Page 344 – at ***Senecio congestus,*** "HABITAT/RANGE – "replace entire phrase beginning "rare in extreme N BC," with "rare in N BC";; add ": Eurasia." at end of section.

Page 344 – at ***Senecio conterminus*** – the authority **"Greene"** should read **"Greenm."**; "Notes" "*S. ogorukensis*" should read "*S. ogotorukensis*".

Page 346 – at ***Senecio eremophilus*** **ssp.** ***eremophilus,*** "HABITAT/RANGE", end of first line – should read "restricted to the Fraser and Peace River drainages".

Page 350 – at ***Senecio integerrimus,*** **"Fruits"** – "glabous" should read "glabrous".

Page 352 – at ***Senecio lugens,*** "HABITAT/RANGE" – delete ", rare on the Queen Charlotte Islands"

Page 354 – at ***Senecio moresbiensis,*** "HABITAT/RANGE" – "frequent" should read "infrequent" and "lowland and montane zones" should read "lowland to subalpine zones".

Page 357 – illustration, ***Senecio ogotorukensis*** – "5 mm" should read "2 mm".

Page 358 – at ***Senecio plattensis,*** "HABITAT/RANGE" – "montane zone" should read "steppe and montane zones"; "infrequent in C BC" should read "rare in E and C BC"

Page 358 – at ***Senecio pseudoarnica*** -authority – "L." should read **"Less."**; **"Flowers"** – "10-25 cm" should read 10-25 mm".

Page 366 – at ***Sinosenecio newcombei*** – "Notes" – line 3, "thickings" should read "thickenings".

Page 367 – illustration, ***Silybum marianum*** – "1 mm" should read "6 mm".

Page 370 – at ***Solidago gigantea*** **ssp.** ***serotina*** – "HABITAT/RANGE" – insert "SC and" before "SE BC".

Page 370 – at ***Solidago missouriensis,*** **var.** ***missouriensis*** – "HABITAT/RANGE" – "Drygrasslands" should read "Dry grasslands".

Page 370 – at ***"Solidago multiradiata"***, "HABITAT/RANGE" – "Mesic to Drymeadows" should read "Mesic to dry meadows".

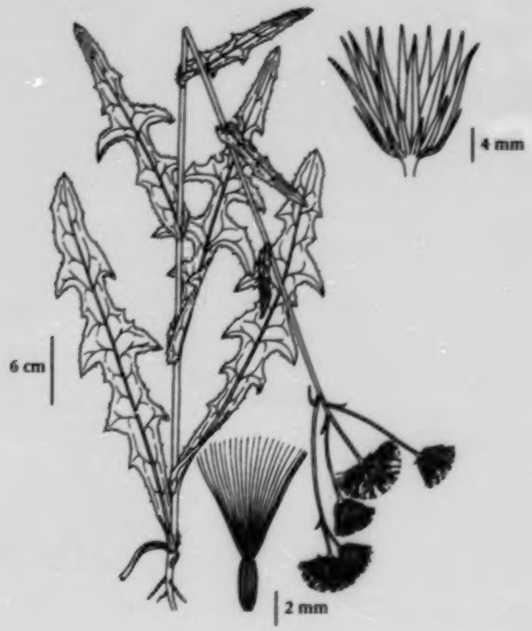
Page 372 – at ***Solidago nemoralis*** **ssp** ***longipetiolata,*** "HABITAT/RANGE" – "Mesic to Drymeadows" should read "Mesic to dry meadows"; "infrequent" should read "rare".

Page 372 – at ***Solidago spathulata,*** "Mesic to Drymeadows" should read "Mesic to dry meadows".

Page 373 – illustration, bottom of page – ***"Solidago spathulata"*** should read ***"Solidago spathulata*** **var.** ***neomexicana"***.

Page 374 – at ***Sonchus arvensis,*** "HABITAT/RANGE" – "Mesic to Dryditches" should read "Mesic to dry ditches".

Page 375 – illustration of *Sonchus arvensis* var. *glabrescens* is incorrect. Replace with the following:



Sonchus arvensis* var. *glabrescens

Page 378 – at *Tanacetum vulgare* – replace heading "**Silicles**" with "**Fruits**".

Page 380 – at *Taraxacum ceratophorum*, "Notes" – delete "Sherff 1920" from list of references.

Page 384 – at *Tonestus lyallii*, synonymy – "*Haplopappus lyalli*" should read "*Haplopappus lyallii*".

Page 384 – at *Townsendia hookeri*, – replace heading "**Silicles**" with "**Fruits**"; Notes – "but lack" should read "and".

Page 388 – at *Tragopogon pratensis*, "Leaves" – "narrower" should read "broader".

Page 390 – at *TRIMORPHA* key, 2nd lead #1 – "*T. lonchophyllus*" should read "*T. lonchophylla*".

Page 390 – at "*Trimorpha lonchopyllus*" – name should read "***Trimorpha lonchophylla***".

Page 391 – illustration, bottom of page – "*lonchophyllus*" should read "*lonchophylla*".

REFERENCES

Page 394 – at Abrams, L.R. citation – "CT" should read "CA".

Page 395 – at Ferris, R.S. and Hulten, E. citations – "CT" should read "CA".

Page 396 – at Tutin, T.G. *et al* citation – "MA" should read "England".

Page 397 – at Critchfield, W.B. 1977, and at Hunt, R.S. and E. von Rudloff. 1979 "*asiocarpa*" should read "*lasiocarpa*" and at Liu, T.S. 1971 delete "China"

Page 399 – heading "**ASCLEPADACEAE**" should read "**ASCLEPIADACEAE**".

Page 401 – at Constance, L. citation – "*riophyllum*" should read "*Eriophyllum*".

Page 401 – at Cronquist, A. 1945 and Cronquist, A. 1946 citations – "Inulae" should read "Inuleae".

Page 401 – at Douglas, G.W. 1995 citation – "Anthernidae" and "Eupatoreae" should read "Anthemidae" and "Eupatorieae".

Page 401 – at Fernald, M.L. 1945 citation – add "No." after "University" and "CLVII.I" should read "CLVIII".

Page 402 – top line, add following reference:

Ganders, F.R., M. Berbee, and M. Pirseyedi. 2000. ITS base sequence phylogeny in *Bidens* (Asteraceae): Evidence for the continental relatives of Hawaiian and Marquesan *Bidens*. Syst. Bot. 25:122-133.

Page 402 – at Guppy, G.A., and B.A. Bohm citation – "Flavinoids" should read "Flavonoids".

Page 402 – at Hanelt, P. citation – "MA" should read "England".

Page 403 – at Kay, Q.O.N. citation – "MA" should read "England".

Page 403 – at Nobs, M. citation – "CT" should read"CA".

APPENDIX I – EXCLUDED SPECIES

Page 405 – under **APIACEAE** – ***"Anthriscus cerefolium"*** should not appear in the EXCLUDED SPECIES.

Page 407 – ***"Galinsoga parviflora"*** should be deleted, it appears in the main text.

Page 407 – at ***Helianthus maximilliani*** – name should read ***"Helianthus maximilianii"***; second line should read "has not been collected since 1954".

Page 407 – at ***Helianthus nuttallii*** **var.** ***subtuberosus*** – replace "Bolvin" with "Boivin".

Page 408 – ***"Hieracium caespitosum"*** should be deleted, it appears in the main text.

APPENDIX II – NAME CHANGES

Page 409 – at *Centaurea maculosa* – *"bierbersteinii"* should read *"biebersteinii"*.

Page 409 – at *Chrysothamnus nauseosus* var. *albicaulis* – *"Ericameria nauseosa* var. *speciosa"* should read *"Ericameria nauseosus* var. *speciosa"*.

Page 409 – at *Conoselinum pacificum* – *"Conoselinum"* should read *"Conioselinum"*.

Page 409 – at *Haplopappus carthemoides* – 2nd "ssp." should read "var.".

Page 409 – at *Haplopappus lyallii* – *"lyalli"* should read *"lyallii"* in both genera.

INDEX

Page 425 – line 11 up, left column – ***"chammissonis"*** should read ***"chamissonis"***.

Page 425 – line 29 down, right column – add **"tall mountain 144"** below **"streambank 136"**.

Page 427 – line 7 down, right column – ***"debauxii"*** should read ***"debeauxii"***.

Page 428 – line 16 down, left column – ***"cnidifolium"*** should read ***"cnidiifolium"***.

Page 428 – lines 11, 12, 13 up, left column – all ***"atrabarba"*** should read ***"atribarba"***.

Page 429 – line 5 up, left column – ***"eriocephalis"*** should read ***"eriocephalus"***.

Page 430 – line 13 up, right column – ***"lyalli"*** should read ***"lyallii"***.

Page 431 – line 20 down, right column – below **"horseweed 220"** insert ***"Hydrocotyle ranunculoides*** **405"**, ***"Hydrocotyle umbellata*** **405"** and ***Hydrocotyle verticillata*** **405**.

Page 432 – line 6 down, left column – delete **"knotweed"**, and move **"short-fringed 208"** between **"Russian 208"** and **"spotted 202"**.

Page 432 – line 5 up, left column – ***"scothicum"*** should read ***"scoticum"***.

Page 432 – line 2 down, right column – ***"brandegei"*** should read ***"brandegeei"***.

Page 433 – line 24 down, left column – remove **"mountain, tall 144"**.

Page 434 – line 11 down, right column – delete "**sage brush, threetip 164**" and insert "**threetip 164**" under "***sagebrush***" at line 15 down.

Page 435 – line 21 up, left column "***Seriocarpus***" should read "***Sericocarpus***".

Page 436 – line 4 down, right column – "***lonchophyllus***" should read "***lonchophylla***".

Volume 2

Illustration scales for floral parts:
These should be used with caution since a number of errors were introduced to the final copy. Almost all 0.5 mm scales should read 5 mm. Description measurements should be checked on the facing page for each part.

Page 2 -U.S. State abbreviations – at Missouri and Montana should read MO and MT, respectively.

BALSAMINACEAE

Page 6 – at ***Impatiens aurella***, "**Flowers**" – "0.1-1.5 cm" should read "1.0-1.5 cm".

Page 6 – at ***Impatiens capensis***, "**Fruits**" – "2.5 mm" should read "10-20 mm".

Page 6 – at ***Impatiens ecalcarata***, "HABITAT/RANGE" "rare in SC and SE BC" should read "rare in SE BC"; "**Fruits**" – "2.5 cm" should read "8-15 mm".

Page 8 – at ***Impatiens glandulifera***, "**General**" – "hairy" should read "glabrous"; "**Fruits**" – "2. 5 cm" should read "1.5-2.5 cm".

Page 8 – at ***Impatiens noli-tangere***, "**Fruits**" – "2.5 cm" should read "10-20 mm".

Page 8 – at ***Impatiens parviflora***, "**Fruits**"- "2.5 cm" should read "10-20 mm".

BERBERIDACEAE

Page 13 – illustration, ***Mahonia repens*** – delete.

BETULACEAE

Page 22 – at ***Corylus*** key, in both leads "silicles" should read "nuts".

Page 25 – illustrations, ***Corylus cornuta*** – bottom of page, nut measurement should read "1 cm"

BORAGINACEAE

Page 24 – at **BORAGINACEAE** key, 1st lead #7 – "flowe" should read "flowers".

Page 24 – at **BORAGINACEAE** key, 1st lead #8 -"orolla" should read "corolla".

Page 24 – at **BORAGINACEAE** key – add *Pentaglottis* after 1st lead #12 as follows:

12a. Leaves net-veined; nutlets short-stalked .... *Pentaglottis*

12a. Leaves not net-veined; nutlets unstalked .... *Anchusa*

Page 26 – at ***Amsinckia*** intermedia, "**Flowers**" – delete "clusters"; "7-11 mmm" should read "7-11 mm".

Page 29 – illustrations, ***Amsinckia menziesii*** and ***Amsinckia retrorsa*** – all "2 mm" should read "4 mm".

Page 30 – at ***Anchusa arvensis*** – this garden plant does not persist and is no longer considered part of our flora.

Page 30 – at ***Anchusa azurea***, "HABITAT/RANGE" – should read "rare on Vancouver Island, known only from Malahat area".

Page 31 – illustration of "***Anchusa arvensis***" is incorrect. We are not inserting a replacement since the species is no longer considered a part of our flora.

Page 31 – illustration, ***Anchusa azurea*** – top "0.5 mm" *should read "6 mm", bottom "0.5 mm" should read* "4 mm".

Page 33 – illustration, ***Anchusa officinalis*** – "2 mm" should read "2.5 mm".

Page 33 – illustration, ***Asperugo procumbens*** – "1 mm" should read "2 mm".

Page 34 – at ***Borago officinalis***, "HABITAT/RANGE" – "SC and SE BC" should read "S BC".

Page 34 – at ***Cryptantha affinis***, "**Fruits**" – "more less" should read "more or less".

Page 35 – illustration, ***Borago officinalis*** – "0.5 mm" should read "4 mm".

Page 36 – at ***Cryptantha fendleri*** – now excluded; all specimens were misidentifications.

Page 37- illusrations – delete *Cryptantha fendleri*.

Page 38 – at ***Cryptantha intermedia*** var. ***grandiflora***, "HABITAT/RANGE" – should read "Dry to mesic disturbed areas in the lowland zone; rare, known only from Nanaimo; probably introduced from the W U.S.A." Also add "Notes: This species has not been collected since 1893 and should probably be excluded from the flora."

Page 39 – illustration, top left, ***Cryptantha intermedia*** – add "**var. *grandiflora***".

Page 39 – illustration, ***Cryptantha torreyana*** – "2 mm" should read "4 mm".

Page 41 – illustration, ***Cynoglossum officinale*** – top "0.5 mm" should read "10 mm".

Page 44 – at ***Hackelia deflexa* ssp. *americana***, authority – "Opiz Bercht." should read "Opiz *ex* Bercht."

Page 44 – at ***Hackelia diffusa***, "HABITAT/RANGE" – "SC and SE BC" should read "SC BC".

Page 45 – illustration, ***Hackelia deflexa*** – add "**ssp. *americana***"

Page 49 – illustration, ***Lappula squarrosa*** – replace bottom "2 mm" with "3 mm".

Page 52 – at ***Mertensia maritima***, authority – "(L)" should read "(L.)"

Page 53 – illustration, ***Mertensia maritima*** – "0.5 mm" should read "2 mm".

Page 53 – illustration, ***Mertensia paniculata* var. *borealis*** – "1 mm" should read "10 mm".

Page 56 – at ***Myosotis asiatica***, "**Flowers**" – delete (clusters)".

Page 57 – illustration, ***Myosotis discolor*** – "1 mm" should read "2 mm".

Page 57 – illustration, ***Myosotis laxa*** – "2 mm" should read "3 mm".

Page 60 – add entry for ***Pentaglottis sempervirens*** as follows:

***Pentaglottis sempervirens* (L.) Tausch *ex* Bailey** (*Anchusa sempervirens* L.)
green alkanet
HABITAT/RANGE:

Mesic to dry gravelly slopes and roadsides in the lowland zone; rare in SW BC, known only from Burnaby and N Vancouver; introduced from S Europe.

DESCRIPTION:

General: Perennial herb from deep, thick roots, stiff-hairy; stems erect, 30-100 cm tall.

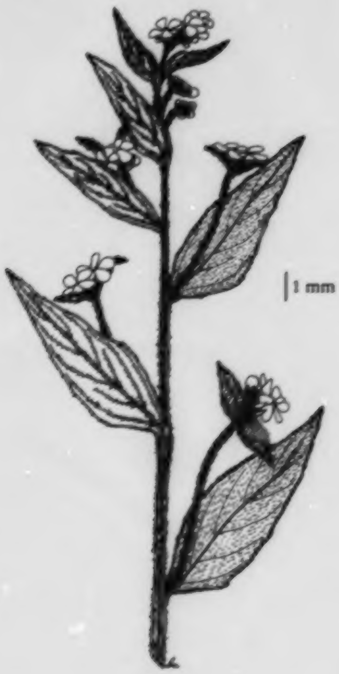
Leaves: Basal leaves egg-shaped, net-veined, abruptly contracted at the base, up to 40 cm long, long-stalked below, becoming unstalked above.

Flowers: Inflorescence a terminal, bracted, dense cyme; corolla regular, bright blue, 8-10 mm wide, the tubes shorter than the limbs, the calyces divided more than 3/4 to base; calyces 10-20 mm long; stamens equal, included.

Fruits: Nutlets 4; short-stalked.

Notes: This species was first recorded for BC by F. Lomer in 2000.

Page 61 – insert illustration for Pentaglottis sempervirens



Pentaglottis sempervirens

Page 63 – illustration, ***Plagiobothrys tenellus***, – both "2 cm" on right should read "2 mm".

BRASSICACEAE

Page 66 – Footnote, "Hitchcock *et al.* (1994)" should read "Hitchcock *et al.* (1964)".

Page 68 – at **BRASSICACEAE** key, lead #9 – "base oval" should read "base, to oval".

Page 69 – at **BRASSICACEAE** key, 1st lead #31 – "leaves 1-0 cm long" should read "leaves 4-10 cm long".

Page 70 – at **BRASSICACEAE** key, lead #9 – insert "fruit" before "more than 1-seeded".

Page 71 – at **BRASSICACEAE** key – add *Aphragmus* after 2nd lead #68 as follows:

68a. Leaves spoon-shaped .... *Aphragmus*

68a. Leaves not spoon-shaped .... *Arabis*

Page 74 – at ***Alyssum murale***, "**General**" – "annual" should read "perennial".

Page 76 – at ***Arabidopsis salsuginea***, "Habitat/Range" – "steppe" should read "montane".

Page 77 – illustration, ***Aphragmus eschscholtzianus*** – top "5 mm" should read "1.5 mm".

Page 81 – illustration, ***Arabis drummondii*** – "1 mm" should read "2 mm".

Page 82 – at ***Arabis glabra* var *glabra***, "**Flowers**" – after "cream" insert "sepals about 3 mm long, glabrous, not bulging at one side on the base."

Page 83 – illustration, ***Arabis exilis*** – "0.5 mm" should read "2 mm".

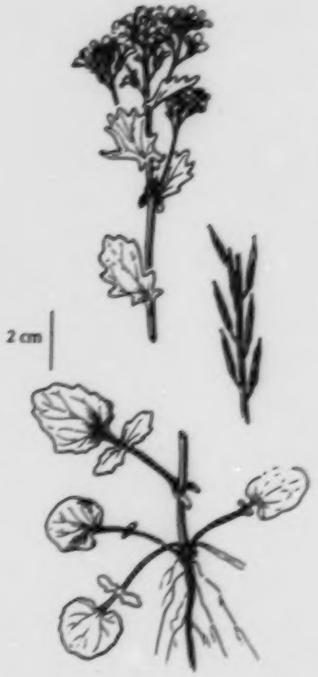
Page 83 – illustration, ***Arabis glabra*** – "5 mm" should read "3 mm".

Page 86 – at ***Arabis lemmonii***, "Habitat/Range" – "infrequent" should read "infrequent (var. ***lemmonii***) or rare (var. *drepanoloba*)".

Page 90 – at ***Arabis nuttallii***, "Habitat/Range" – "rare" should read "infrequent".

Page 90 – at ***Barbarea vulgaris***, "Habitat/Range" – "SC" should read "S".

Page 95 – illustration of ***Barbarea vulgaris*** is incorrect. Replace with the following:



Barbarea vulgaris

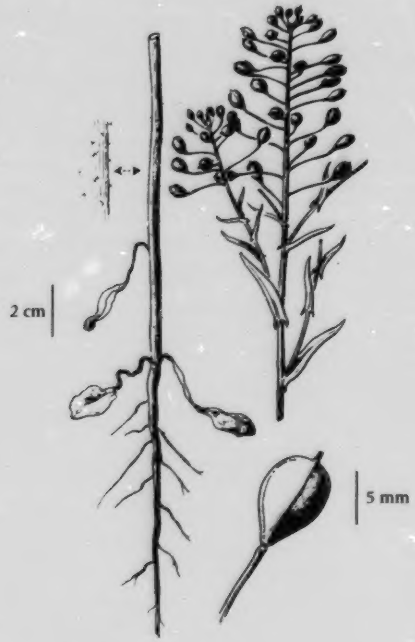
Page 98 – at ***Brassica kaber***, **"General"** – "stems 3.0-1.0 m tall" should read "stems 30-100 cm tall".

Page 98- at ***Brassica napus***, **"Leaves"** – "unstalked" should read "stalked"; **"Flowers"** – "elogate" should read "elongate".

Page 102 – at ***Cakile maritima***, "Habitat/Range" – after "Island" insert "and the Queen Charlotte Islands".

Page 103 – illustrations: ***Cakile edentula*** – "2mm" should read "6 mm"; ***Cakile maritima***, "1 mm" should read "4 mm".

Page 105 – illustration of ***Camelina sativa*** is incorrect. Replace with the following:



Camelina sativa

Page 106 – at *Capsella bursa-pastoris*; "**Flowers**" – "many-flowers" should read "many-flowered".

Page 106 – at ***CARDAMINE*** key, 2nd lead #12 – "0.7-10 mm" should read "0.7-1 mm".

Page 108 – at ***Cardamine breweri***, "**Flowers**" – "racemes" should read "raceme".

Page 114 – at ***Cardamine pensylvanica***, "**Leaves**" – "3-15 mm long" should read "3-15 cm long".

Page 115 – illustration, top left – should read "***Cardamine parviflora* var. *arenicola***".

Page 116 – at ***Cardaria draba***, synonymy – all 3 instances of "*chalepensis*" should read "*chalapensis*"; "Habitat/Range", line 2 – "ssp. *chalepensis*" should read "ssp. chalapensis"; key, 2nd lead #1 – "ssp. *chalepensis*" should read "ssp. *chalapensis*".

Page 117 – illustration, top left – "ssp. *chalepensis*" should read "ssp. *chalapensis*".

Page 120 – at ***Descurainia incana***, "Habitat/Range", first line – "rare to infrequent" should read "infrequent"; at key, 2nd lead #2 – "rare" should read "infrequent".

Page 122 – at ***Descurainia pinnata*** key, 1st and 2nd lead #1 – "Silicles" should read "Siliques".

Page 123 – illustration, ***Descurainia sophioides*** – "2 mm" should read "7 mm".

Page 124 – at ***DRABA*** key, 1st lead #4 – "*D. nemerosa*" should read "*D. nemorosa*".

Page 124 – at ***DRABA*** key, 1st and 2nd leads #5 – "siliques" should read "silicles".

Page 128 – at ***Draba alpina***, "Habitat/Range" – "rare in N BC" should read "rare in BC north of 51° N".

Page 129 – illustration, ***Draba alpina*** – "5 mm" should read "2.5 mm".

Page 130 – at ***Draba cinerea***, "Habitat/Range" – "rare in N BC" should read "rare in BC north of 53° N".

Page 132 – at ***Draba densifolia***, "Habitat/Range" – "rare in SC BC" should read "rare in SC, WC and SE BC".

Page 134 – at ***Draba glabella*** **var.** ***glabella***, "Habitat/Range" – "rare in N BC" should read "rare in BC north of 51° N".

Page 137 – illustration, ***Draba lactea*** – upper "5 mm" should read "3 mm".

Page 137 – illustration, ***Draba lonchocarpa*** **var.** ***vestita*** – replace top left "5 mm" with "3 mm".

Page 138 – at ***Draba macounii***, "Habitat/Range" – "rare" should read "infrequent".

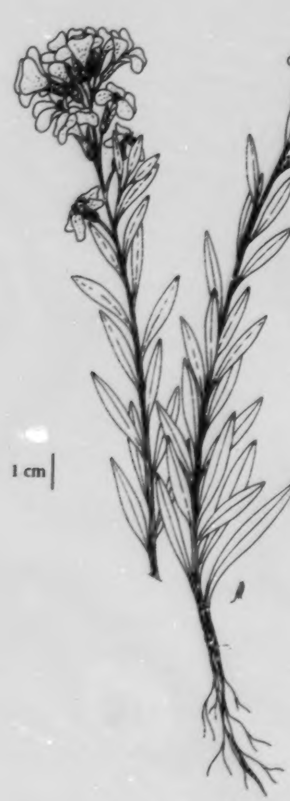
Page 141 – illustration, ***Draba nivalis*** – "5 mm" should read "3 mm".

Page 143 – illustration, ***Draba porsildii*** – top left "5 mm" should read "2 mm"; replace top right "5 mm" with "3 mm".

Page 145 – illustration, ***Draba ruaxes*** – top right "2 mm" with "3 mm".

Page 150 – at ***Erysimum arenicola*** **var.** ***torulosum***, "**Flowers**" – "3-10 mm" should read "3-10 cm".

Page 153 – illustration of ***Erysimum cheiri*** is incorrect. Replace with the following:



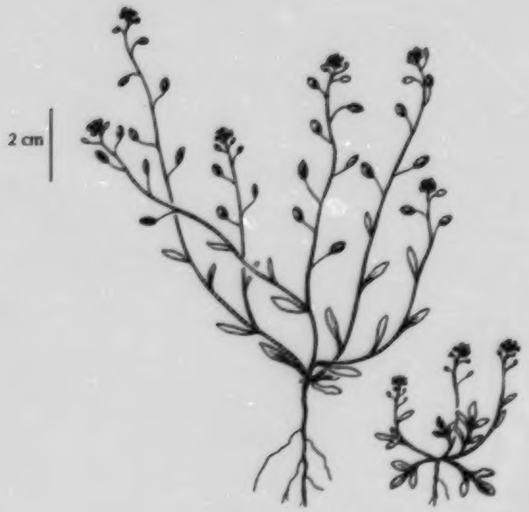
Erysimum cheiri

Page 154 – at ***Eutrema edwardsii***, English name – "**Edward's**" should read "**Edwards**".

Page 154 – at ***Halimolobos whitedii***, "**Fruits**" – "exposed" should read "expanded".

Page 156 – at ***Hutchinsia procumbens***, "Habitat/Range" – "steppe zone" should read "lowland, steppe and montane zones"; prior to "SC" insert "SW and".

Page 157 – illustration of ***Hutchinsia procumbens*** is incorrect. Replace with the following:



Hutchinsia procumbens

Page 160 – at ***Lepidium bourgeauanum*** – English name should read "Bourgeau's pepper-grass".

Page 160 – at ***Lepidum campestre***, "Habitat/Range" – "SE" should read "S".

Page 164 – at ***Lepidium latifolium***, "Habitat/Range" – "Vancover" should read "Vancouver"; "**Fruits**" – "slight notched" should read "slightly notched".

Page 172 – at ***Physaria didymocarpa*** var. ***didymocarpa***, "Habitat/Range" – "steppe and montane zones" should read "montane to alpine zones".

Page 174 – at ***RORIPPA*** key, 1st and 2nd lead #5 – "silicles" should read "siliques'.

Page 174 – at ***RORIPPA*** key, 2nd lead #6 – remove "silicles".

Page 174 – at ***RORIPPA*** key, both leads #7 – the species should be reversed.

Page 176 – at ***Rorippa curvisiliqua***, "**Flowers**", last line – "silicles" should read "siliques".

Page 177 – illustration, ***Rorippa curvipes*** and ***Rorippa curvisiliqua*** drawings are reversed.

Page 179 – illustration, ***Rorippa sylvestris*** – "2 mm" should read "5 mm".

Page 180 – at ***Rorippa tenerrima***, "Habitat/Range" – "rare" should read "infrequent"; "Nd" should read "ND".

Page 180 – at ***SISYMBRIUM*** key, both leads #2 – "silicles" should read "siliques".

Page 182 – at ***Sisymbrium officinale***, "**Fruits**" – "8-15 long" should read "8-15 mm long".

Page 183 – illustrations: ***Sisymbrium loeselii*** – "5 mm" should read "7 mm'; ***Sisymbrium officinale*** – "5 mm" should read "3 mm'.

Page 184 – at ***Smelowskia calycina***, "Habitat/Range" – "rare" should read "infrequent".

Page 186 – at ***Smelowskia ovalis***, "Habitat/Range" – "infrequent" should read "rare"; after "extreme" add "SW and".

Page 187 – illustration, ***Teesdalia nudicaulis*** – "1 mm" should read "0.7 mm".

Page 188 – at ***Thelypodium laciniatum***, remove all references to *T. laciniatum var milleflorum*. All material identified as this variety has been re-identified as var. *laciniatum*. At the English name line – "var. *lacinatum*" should read "var. *laciniatum*". Also, the key (which was inadvertantly reversed) can now be deleted.

Page 189 – illustration, ***Thlaspi arvense*** – "1 mm" should read "2.5 mm".

Page 189 – illustration, ***Thelypodium laciniatum* var. *milleflorum***, – delete.

Page 190 – at ***Thysanocarpus curvipes***, "HABITAT/RANGE" – after "Island" insert "and the Gulf Islands".

CACTACEAE

Page 192 – at ***Opuntia polycantha***, "**General**" – "mat-formin" should read "mat-forming"; delete "with" before "greyish-yellow". "**Flowers**" – "aereole" should read "areole".

CALLITRICHACEAE

Page 194 – at ***Callitriche hermaphroditica***, "**Fruits**" – "less than 1 mm" should read "1-2 mm".

Page 194 – at ***Callitriche heterophylla*** – after "Pursh" delete "ssp. *bolanderi* (Hegelm.) Calder & Tayl."

Page 195 – illustration, ***Callitriche hermaphroditica*** – replace top right "2 mm" with "1.5 mm".

CAMPANULACEAE

Page 200- at ***Campanula lactiflora***, "**Flowers**" – "a solitary" should read "of terminal clusters of relative few".

Page 206 – at ***Campanula uniflora***, "**Leaves**" – "wideer" should read "wider".

Page 208 – at ***Heterocodon rariflorum***, "HABITAT/RANGE" – "rare" should read "infrequent".

Page 211 – illustration, ***Triodanis perfoliata* var. *perfoliata*** – "0.5 mm" should read "4 mm".

CAPPARIDACEAE

Page 212 – at ***Cleome serrulata***, "HABITAT/RANGE" – "rare" should read "infrequent".

CAPRIFOLIACEAE

Page 214 – at ***Linnaea borealis***, "HABITAT/RANGE" – "rare" should read "infrequent".

Page 226 – at ***Symphoricarpos occidentalis***, "**Flowers**" – "cluster" should read "clusters".

Page 222 – at ***Sambucus racemosa*** key, 2nd lead #2 – delete "In Cronq. & Hitchcock".

Page 225 – illustration, ***Symphoricarpos hesperius*** – "0.5 mm" should read "2 mm".

Page 227 – illustration, ***Symphoricarpos occidentalis*** – replace right "0.5 mm" with "4 mm".

CARYOPHYLLACEAE

Page 231 – at **CARYOPHYLLACEAE** key, add *Dianthus* at end of 2nd lead #18.

Page 232 – at ***Arenaria longipedunculata***, "HABITAT/RANGE" – "subalpine and alpine zones" should read "subalpine zone"; after "EC" insert "and N".

Page 234 – at ***CERASTIUM*** key – add *Cerastium pumilum* at leads #6 – change key as follows:

6. Plants matted, biennials or perennials .... *C. fontanum*
6. Plants not matted annuals.
    7. Sepals broadly papery-margined .... *C. semidecandrum*
    7. Sepals narrowly papery-margined.
        8. Leaves 4-7 mm long; sepals 2.5-3 mm long; capsules straight at maturity, 4-7 mm long .... *C. pumilum*
        8. Leaves 6-30 mm long; sepals 4-5 mm long; capsules curved at maturity, 7-12 mm long .... *C. nutans*

Page 236 – at ***Cerastium fischerianum***, "Habitat/Range" – "lowland and montane zones" should read "lowland to alpine zones".

Page 238 – Insert entry for ***Cerastium pumilum*** as follows:

Cerastium pumilum Curtis
dwarf mouse-ear
Habitat/Range:

Mesic to dry open, grassy sites in the lowland zone; frequent in SW BC; introduced from Europe.

Description:

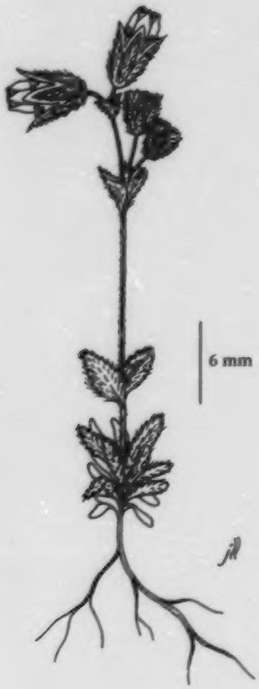
General: Annual herb from a slender taproot; stems ascending to erect, glandular and soft-hairy, 2-12 cm tall.

Leaves: Basal and lower stem leaves egg-shaped to elliptic, 4-7 mm long, unstalked to short-stalked; stem leaves opposite, several pairs, egg-shaped to oblong, unstalked; stipules absent.

Flowers: Inflorescence several in loose, bracted clusters, the bracts with wax-papery tips and margins; petals 5, deeply 2-cleft, 2.5-3 mm long, with branching veins; sepals 5, broadly lanceolate, pointed, 2.5-3 mm long, with narrow, wax-papery margins.

Fruits: Capsules, cylindric, straight at maturity, 4-7 mm long, 10-valved; seeds brown, 0.2-0.4 mm long.

Page 239 – Insert illustration of ***Cerastium pumilum***.



Cerastium pumilum

Page 241 – illustrations: ***Cerastium tomentosum*** – "1 cm" should read "5 mm"; ***Dianthus armeria*** – replace top "0.5 mm" with "7 mm", bottom "0.5 mm" with "4 mm".

Page 243 – illustration, ***Dianthus barbatus*** – replace top "0.5 mm" with "7 mm".

Page 244 – at ***Gypsophila scorzonerifolia***, "**Flowers**" – "floers" should read "flowers"Page 246 – mid page – heading ***HONKENYA*** should read ***HONCKENYA***.

Page 246 – at ***Honkenya peploides* ssp. *major*** – "***Honkenya***" should read "***Honckenya***".

Page 247 – illustration – *Honkenya* should read *Honckenya*.

Page 248 – at *Lychnis coronaria*, "HABITAT/RANGE" – "frequent" should read "infrequent".

Page 249 – illustration, *Lychnis coronaria* – replace top left "0.5 mm" with "8 mm"; far right "0.5 mm" with "6 mm".

Page 250 – at *MINUARTIA* key, 2nd lead #11 – "frequent" should read "rare".

Page 250 – at *Minuartia biflora*, "HABITAT/RANGE" – "rare" should read "infrequent".

Page 252 – at *Minuartia dawsonensis* – English name – "rock" should read "bog"

Page 252 – at *Minuartia elegans*, "HABITAT/RANGE" – "rare in N BC" should read "rare in N and E BC".

Page 253 – illustration, *Minuartia dawsonensis* – "1 mm" should read "3 mm".

Page 254 – at *Minuartia pusilla*, **"General"** – "or or more" should read "or more".

Page 256 – at *Minuartia tenella*, **"Leaves"** – "decciduous" should read "deciduous".

Page 257 – illustration, *Minuartia stricta* – "2 mm" should read "1.5 mm".

Page 259 – illustration, *Minuartia yukonensis* – "1 mm" should read "2 mm".

Page 261 – illustration, *Myosoton aquaticum* – "2 mm" should read "2 cm"; "1 mm" should read "10 mm".

Page 262 – at *PETRORHAGIA* key, 2nd lead #2 – "need-like" should read "needle-like".

Page 263 – illustration, *Petrorhagia prolifera* – "1 mm" should read "5 mm".

Page 264 – at *Sagina apetala* var. *barbata*, **"Leaves"** – "sparsely" should read "sparsely fringed".

Page 266 – at *Sagina nivalis*, "HABITAT/RANGE" – "rare in WC and NE BC", should read "rare in N BC".

Page 270 – at *SILENE* key, 1st lead #9 – delete "purplish or rarely pinkish"; 2nd lead #9 delete "white, pinkish or greenish or sometimes purplish-tinged".

Page 272 – at *Silene acaulis* key, 2nd lead #1 – "var. *subcaulescens*" should read "var. *subacaulescens*".

Page 273 – illustration, upper left – " var. *subcaulescens*" should read "var. *subacaulescens*".

Page 278 – at *Silene involucrata*, "HABITAT/RANGE" – "NE BC, known only from Nevis Creek" should read "N BC".

Page 279 – illustration, *Silene drummondii* var. *drummondii* – "0.5 mm" should read "3 mm".

Page 284 – at *Silene scouleri* – "(Eastw.) C.L. Hitchc. & Maguire" should read "Hook." and at "HABITAT/RANGE" – after "CA" add "(ssp. *scouleri*) and S to CA (ssp. *grandis*)."

Page 284 – at *Silene scouleri* key, 2nd lead #1 – "Maquire" should read "Maguire".

Page 284 – at *Silene spaldingii*, "HABITAT/RANGE" – "steppe" should read "montane".

Page 284 – at *Silene taimyrensis*, "HABITAT/RANGE" – delete the phrase "known only from the Dease lake area"; **"Flowers"** – "3-6 in a cluster" should read "3-6 flowers in a cluster".

Page 285 – illustration, *Silene scouleri* ssp. *grandis* – "2 mm" should read "3 mm".

Page 286 – at *Silene uralensis* ssp. *attenuata*, **"Flowers"** – "calycs" should read "calyces".

Page 286 – at *Silene vulgaris*, **"Flowers"** – "flowes" should read "flowers".

Page 298 – at *Stellaria humifusa*, "HABITAT/RANGE" – "caostal" should read "coastal".

Page 287 – illustration, *Silene uralensis* ssp. *attenuata* – "0.5 mm" on left should read "7 mm".

Page 289 – illustration, *Spergularia canadensis* var. *occidentalis* – "0.5 mm" on left should read "3 mm".

Page 296 – at *Stellaria calycantha*, **"General"** – delete "sparsely".

Page 298 – at *Stellaria humifusa*, "HABITAT/RANGE" – "caostal" should read "coastal".

Page 298 – at ***Stellaria longifolia***, "**General**" "throughout BC" should read "in N and E BC; "**Leaves**" – "1.5-5.0 mm" should read "1.5-5.0 cm".

Page 300 – at ***Stellaria longipes*** key, 1st lead #1 – "Chinnapappa" should read "Chinnappa".

Page 301 – illustration, ***Stellaria media*** – "2 mm" on right should read "1.5 mm".

Page 302 – at ***Stellaria obtusa***, "HABITAT/RANGE" – "steppe and montane zones" should read "montane zone".

Page 302 – at ***Stellaria umbellata***, "HABITAT/RANGE" – prior to "SC" insert "N," and delete "known only from Monashee Mountains and Nicomen Lake".

Page 303 – illustrations: ***Stellaria nitens*** – "2 mm" should read "1.5 mm"; ***Stellaria umbellata*** – "2 mm" should read "3 mm".

Page 304 – at *Vaccaria pyramidata*, "Leaves" – delete "unstalked" before "glabrous".

CELASTRACEAE

Page 304 – at **CELASTRACEAE** key, 1st lead #1 – "*Pachistima*" should read "*Paxistima*".

Page 305 – illustrations – both instances of "0.5 mm" should read "4 mm".

CHENOPODIACEAE

Page 309 – at ***Atriplex*** key, 1st leads #6 – "bractioles" should read "bracteoles".

Page 313 – illustrations: ***Atriplex micrantha*** – "1 mm" should read "2.5 mm"; ***Atriplex nudicaulis*** – "1 mm" should read "2 mm".

Page 316 – at ***Atriplex subspicata***, "General" – "0.1-1.0 cm" should read "10-100 cm".

Page 322 – at ***Chenopodium atrovirens***, "HABITAT/RANGE" – "steppe zone" should read "montane zone".

Page 324 – at ***Chenopodium desiccatum***, "HABITAT/RANGE" – "rare" should read "infrequent".

Page 328 – at ***Chenopodium rubrum*** key, both leads #1 – "2.5 cm" should read "25 cm".

Page 330 – heading "***POLYCNEMON***" should read "***POLYCNEMUM***".

Page 330 – at ***Polycnemon arvense*** – "***Polycnemon***" should read "***Polycnemum***".

Page 331 – lower illustration – - "***Polycnemon***" should read "***Polycnemum***"

CLUSIACEAE

Page 338 – at ***Hypericum boreale***, "HABITAT/RANGE" – "frequent" should read "infrequent"; "**Leaves**" – "1-4 cm" should read "1-2 cm"; "**Fruits**" – "5.5-7.5 mm" should read "4-5 mm".

Page 338 – at ***Hypericum majus***, "HABITAT/RANGE" – "rare in SW BC, known only from the lower Fraser Vallley" should read "rare in SW and SC BC".

Page 340 – at ***Hypericum scouleri***, "HABITAT/RANGE" – "alpine zone" should read "alpine and steppe zones"..

CONVOLVULACEAE

Page 344 – at ***Convolvulus sepium***, "**Flowers**" – "4-7 mm" should read "4-7 cm".

Page 344 – at ***Convolvulus soldanella***, "**Flowers**" – "3-6 mm" should read "3-6 cm".

CRASSULACEAE

Page 348 – at **CRASSULACEAE** key – add *Penthorum* as follows:

1. Plants annuals; flowers usually 4-merous, stamens 4 .... *Crassula*

1. Plants perennials; flowers usually 5-merous.

2. Petals present; plants 5-27 cm tall/long; leaves succulent .... *Sedum*

2. Petals usually absent; plants 20-70 cm tall; leaves not succulent .... *Penthorum*

Page 348 – at *Crassula aquatica*, authority – Schoeni. should read Schoenl.

Page 349 – illustration, *Crassula connata* var. *connata* – ". 1 mm" should read "1 mm".

Page 350 – add entry for *Penthorum sedoides* L. as follows:

***Penthorum sedoides* L.**

ditch stonecrop

HABITAT/RANGE:

Cranberry bogs in the lowland zone; rare in SW BC, known only from Richmond and Fort Langley; introduced from E North America.

DESCRIPTION:

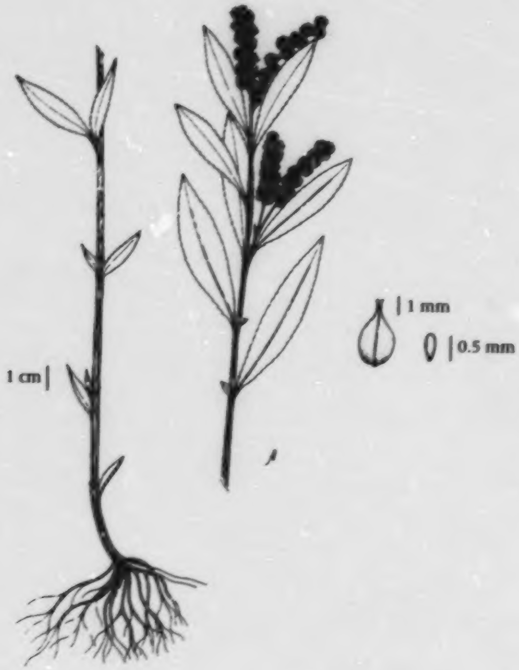
General: Perennial herb from a rhizome; stems erect, simple or branched above, smooth below, 20-70 cm tall.

Leaves: Alternate, lanceolate to narrowly elliptic, 5-10 cm long, sharply toothed, long-pointed, not succulent.

Flowers: Inflorescence a terminal cyme, with glandular-stalked hairs, 2-8 cm long, the flowers borne on 1 side of the axis, greenish; petals usually absent; sepals 5, broadly-lanceolate.

Fruits: Follicles, strongly beaked, flattened, circular, 5-6 mm wide, spreading at maturity, the base formed by the expanded hypanthium, eventually circumcissile just above the placentae; seeds spindle-shaped, covered with minute papillae, usually reddish-brown.

Page 351 – insert illustration of *Penthorum sedoides* L.



Penthorum sedoides

Page 353 – illustration, bottom right – both "0.5 mm" should read "4 mm".

Page 354 – at ***Sedum spathulifolium***, "**Leaves**" – delete the word "flattened".

CUCURBITACEAE

Page 356 – at **CUCURBITACEAE** key – at 1st lead #1 "prior to "SC" insert "SW and".

REFERENCES

Page 362 – at Abrams, L.R. citation – "CT" should read "CA".

Page 363 – at Ferris, R.S. citation- "CT" should read "CA".

Page 363 – at Hulten, E. citation – "CT" should read "CA".

Page 366 – delete Mulligan, G.A.1971c reference.

Page 366 – at Mulligan, G.A.. 1996. – "1996" should read "1995".

Page 367 – at **CAPRIFOLIACEAE**, Eriksson, T. and M.J. Donoghue citation – "Phlogenetic" should read "Phylogenetic".

Page 367 – at **CARYOPHYLLACEAE**, Bocquet, G. citation – "Gastrolychniclium" should read "Gastrolychnidium.

Page 368 – at McNeill, J. 1980 citation – "Rhodor" should read "Rhodora" .

Page 370 – at Tryon, R.M., Jr. 1939 citation – "*C. septum*" should read "*C. sepium*".

APPENDIX I – EXCLUDED SPECIES

Page 372 – line 12 down – delete ***Lobularia maritima*** entry.

Page 372 – after "***Rorippa microsperma***" – insert "***Thelypodium laciniatum*** **(Hook.) Endl.** ***ex*** **Valp. var.** ***milleflorum*** **(A. Nels.) Pays.** All material of this variety has been re-identified as var. *laciniatum.*"

Page 372 – after "***Spergularia diandra***" insert "***Stellaria americana*** **(Porter** ***ex*** **B.L. Robins.) Standley**. All material of this species has been re-identified".

APPENDIX II – NAME CHANGES

Page 373 – at *Cardaria chalapensis* – "*C. draba* var. *chalapensis*" should read "*C. draba* ssp. *chalapensis*".

Page 373 – at *Descurainea richardsonii* – "*Descurainea" should read "Descurainia"*.

Page 373 – at *Nasturtium microphyllum* – "*Rorripa*" should read "*Rorippa*".

Page 373 – at *Nasturtium officinale* – "*Rorripa*" should read "*Rorippa*".

Page 373 – at *Rorripa curvipes* var *integra* – "*Rorripa*" should read "*Rorippa*".

Page 373 – at *Thelluginiella salsuginea* – "*Thelluginiella" should read "Thellungiella"*.

Page 373 – at *Thellypodium milleflorum:* "*Thellypodium*" should read "*Thelypodium*"; "*lacinatum*" should read "*laciniatum*".

INDEX

Page 391 – line 30 down, left column – "***chalepensis***" should read "***chalapensis***".

Page 395 – first line, left column – "***Honkenya***" should read "***Honckenya***".

Page 396 – line 3 up, right column – delete "*talpestris* ssp. *asiatica*".

Page 397 – line 22 down, right column – "***Polycnemon***" should read "***Polycnemum***".

Page 398 – line 6 up, right column – "***subcaulescens***" should read "***subacaulescens***".

Page 401 – line 4 down, left column – "**Edward's**" should read "**Edwards**".

Volume 3

DIAPENSIACEAE

Page 6 – at *Diapensia lapponica* ssp. *obovata*, "HABITAT/RANGE" – "E." should read "E".

ELATINACEAE

Page 12 – at *Elatine rubella*, "Flowers" – "1-2" should read "1 or 2".

ERICACEAE

Page 26 – at *Gaultheria hispidula*, "General" – "calyxes" should read "calyces".

Page 32 – at *LEDUM* key, 2nd lead #1 – "wooly" should read "woolly".

Page 46 – at *Vaccinium alaskaense*, "Leaves", line 3 ' "coase" should read "coarse".

EUPHORBIACEAE

Page 58 – at *Chamaesyce serpyllifolia* add "ssp. *serpyllifolia*" after "(Pers.) Small"..

Page 58 – at *Euphorbia cyparissias*, "General" – "strout" should read "stout".

Page 59 – top illustration – "*Chamaesyce serpyllifolia*" should read "*Chamaesyce serpyllifolia* ssp. *serpyllifolia*".

Page 62 – at *Euphorbia lathyrus*, "HABITAT/RANGE" – after "Victoria" delete "area" and insert "Vancouver"; at "General" – "annual" should read "biennial".

FABACEAE

Page 74 – at *Astragalus cicer*, "Fruits" – "short-soft-hairy" should read "short stiff-hairy".

Page 76 – at *Astragalus convallarius* – now excluded, see **APPENDIX I**.

Page 80 – at *Astragalus filipes*, "HABITAT/RANGE" – "infrequent" should read "rare".

Page 84 – at *Astragalus microcystis*, "HABITAT/RANGE" – the Sparwood collection was based on a misdentification.

Page 94 – at "*Astragalus vexilliflexus* " – name should read "*Astragalus vexilliflexus* Sheldon var. *vexilliflexus*"; at "Flowers" – "racemes" should read "raceme".

Page 95 – top illustration – add "var. *vexilliflexus*".

Page 96 – at *Glycyrrhiza lepidota* -delete "*(Nutt.)*"; synonym should read (*G. lepidota* var. *glutinosa* [Nutt.] S. Wats.)".

Page 98 – at *Hedysarum boreale*, "HABITAT/RANGE", line 3 – "rare" should read "infrequent".

Page 102 – at *Lathyrus bijugatus*, "HABITAT/RANGE" – "steppe and lower montane zones" should read "montane zone".

Page 110 – at *LOTUS* key, 1st lead #3 – "*L. unifoliatus*" should read "*L. unifoliolatus*".

Page 112 – at *Lotus formosissimus*, "Flowers" – "purpled-tipped" should read "purple-tipped".

Page 114 – at *Lotus nevadensis* var. *douglassii*, "HABITAT/RANGE" – this species is now considered to be introduced.

Page 116 – at *Lotus unifoliatus* var. *unifoliatus* – both instances of "*unifoliatus*" should read "*unifoliolatus*".

Page 117 – lower illustration – "*Lotus unifoliatus* var. *unifoliatus*" should read "*Lotus unifoliolatus* var. *unifoliolatus*".

Page 118 – at *LUPINUS* key – at 1st lead #8 – line 2 – after "blue" add "or whitish".

Page 122 – at *Lupinus argenteus* var. *laxiflorus*, "Flowers" – line 2 – "with" should read "without".

Page 124 – at *Lupinus bingenensis*, "Flowers" – line 2 – after "corollas" add "white or".

Page 126 – at ***Lupinus kuschei***, "HABITAT/RANGE" – "extreme NW" should read "N".

Page 126 – at ***Lupinus lepidus***, synonym – after "*minimus*" insert "*auct non*".

Page 128 – at ***Lupinus leucophyllus***, "HABITAT/RANGE" – "SE" should read "SC".

Page 142 – at ***OXYTROPIS*** key – at 2nd lead #7 – line 2 – "1-44" should read "1-4".

Page 146 – at ***Oxytropis campestris***, English names – after "**field locoweed**" add "; **Columbia River locoweed** (var. *columbiana*)", – at "HABITAT/RANGE", lines 3 & 4 should read "locally common in SC BC (var. *cusickii*), rare in SC and SE BC (var. *columbiana*) and frequent in extreme N BC, the Queen Charlotte Islands and N Vancouver Island (var. *varians*);".

Page 148 – at ***Oxytropis jordalii*** – English names should read "**Davis' locoweed** (ssp. davisii), **Jordal's locoweed** (ssp. jordalii)".

Page 150 – at ***Oxytropis monticola* ssp. *monticola*** – authority – "Barn" should read "Barn.".

Page 152 – at ***Oxytropis podocarpa***, "HABITAT/RANGE" – this species is also known from EC BC; "**Fruits**" – "2-5 mm" should read "2-5 cm".

Page 152 – at ***Oxytropis scammaniana***, "HABITAT/RANGE" – "alpine zone" should read "montane to alpine zones".

Page 158 – at ***Thermopsis rhombifolia* var. *rhombifolia*** – delete "**var. *rhombifolia***"; "HABITAT/RANGE" – "steppe and lower montane zones" should read "montane zone".

Page 159 – illustration – delete "**var. *rhombifolia***".

Page 164 – at ***Trifolium depauperatum* var. *depauperatum***, "HABITAT/RANGE" – "rare, known only from SE Vancouver Island" should read "infrequent on SE Vancouver Island.

Page 164 – at ***Trifolium dichotomum***, "HABITAT/RANGE" – "Mesic to dry open, grassy sites" should read "Mesic to dry slate cliffs or talus, sandstone shale, and open, grassy sites".

GENTIANACEAE

Page 190 – at ***Centaurium erythraea***, "HABITAT/RANGE" – after "SW" insert "and SE BC (Kootenay Lake)".

Page 190 – at ***Centaurium exaltatum***, "HABITAT/RANGE" – after "area" add "and Kamloops Lake".

Page 192 – at ***Centaurium muehlenbergii***, "**Flowers**" – "1.2-1.4 mm" should read "1.2-1.4 cm".

Page 198 – at ***Gentianella propinqua* ssp. *propinqua*** "**General**" – "4-40 cm long" should read "4-40 cm tall".

Page 200 – at ***Gentianella tenella***, "**General**" – delete "and Cathedral Lakes Provincial Park".

Page 200 – at ***Gentianopsis macounii*** – synonyms "*uncialis*" should read "*unicaulis*".

Page 202 – at ***Lomatogonium rotatum***, "HABITAT/RANGE" – after "N" delete "and E".

GROSSULARIACEAE

Page 216 – at ***Ribes cereum var. cereum***, "**Leaves**" – "3-22 cm long, 3-24 cm wide" should read "0.5-3.5 cm long, 1-4 cm wide".

Page 224 – at ***Ribes oxyacanthoides***, "HABITAT/RANGE" – "*oxycanthoides*" should read "*oxyacanthoides*".

Page 225 – top diagram – "*oxycanthoides*" should read "*oxyacanthoides*".

HALORAGACEAE

Page 234 – at ***Myriophyllum ussuriense***, "HABITAT/RANGE", "SC" should read "SE".

HYDROPHYLLACEAE

Page 242 – at ***Hydrophyllum fendleri* var. *albifrons***, "HABITAT/RANGE" – "rare" should read "infrequent".

Page 250 – at ***Phacelia mollis*** – English name should read "**Macbride's**".

LAMIACEAE

Page 264- at ***Hedeoma hispida***, "Habitat/Range" – after "rare in" add "SC and".

Page 270 – at ***Lycopus europaeus***, "Habitat/Range" – after "zone;" insert "rare in SE BC (Salmo),".

LENTIBULARIACEAE

Page 296 – at ***Pinguicula villosa***, "Habitat/Range" – after "NW" insert ", NE".

Page 300 – at ***Utricularia ochroleuca***, "Habitat/Range" – after "SW BC" delete "(S Vancouver Island), SC BC (Mara Lake)"; also "NE BC (Liard Hot Springs)" should read "E BC".

LYTHRACEAE

Page 310 – at ***Lythrum hyssopifolia***, "**General**" – "10-40 m" should read "10-40 cm".

Page 310 – at ***Lythrum portula*** – English name should read "**European water-purslane**".

MALVACEAE

Page 312 – at ***Abutilon theophrasti***, "Habitat/Range" – "infrequent" should read "rare".

Page 314 – at ***Iliamna rivularis***, "**Fruits**" – "0.7-0.8 mm" should read "7-8 mm".

Page 319 – lower illustration – add "**var. *procera***".

NYCTAGINACEAE

Page 332 – at ***ABRONIA*** – add key as follows:

1. Flowers yellow; leaves broadly egg- to kidney-shaped; wings of the fruits narrower than the fruit bodies .... *A. latifolia*
1. Flowers pink; leaves lanceolate to narrowly egg-shaped; wings of the fruits wider than the fruit bodies .... *A. umbellata*

Page 332 – add entry for ***Abronia umbellata* ssp. *acutalata*** as follows:

***Abronia umbellata* Lam. ssp. *acutalata* (Stand.) Till.** (*A. acutalata* Stand.)
pink sand-verbena

Habitat/Range:

Coastal sandy beaches below the driftwood zone in the lowland zone; rare on the W coast of Vancouver Island, known only from Ahousat and Pachena Bay (in 1915 and 1927, respectively) and more recently from Clo-oose Beach, Pacific Rim National Park; S to WA.

Description:

General: Annual, sometimes perennial herb from a thick, deep taproot, densely glandular-hairy throughout; stems trailing, to 1.5 m long; branches short, forming mats.

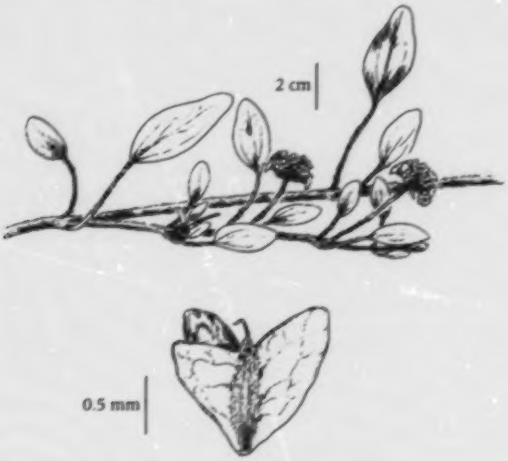
Leaves: Opposite, thick and fleshy, lanceolate to narrowly egg-shaped, 2-6 cm long, 0.8-3.5 cm wide; stalks 2.5-7 cm long.

Flowers: Inflorescence of many-flowered, rounded heads on stout flower stalks 2-4 cm long, involucral bracts 5 (4), in a whorl, narrowly lanceolate, 5-6 mm long; perianth tube greenish to pinkish, 6-8 mm long, widely flaring into a pink, 5-lobed limb 5-6 mm wide.

Fruits: Achenes, 10-12 mm long, prominently 3- or 4-winged, the wings of the fruits wider than the fruit bodies.

Notes: This regional endemic was considered extinct in BC and WA until recently (Douglas *et al.* 1998a, Washington Natural Heritage Program 1994). Two plants of this species were rediscovered in 2000 and subsequently destroyed by a winter storm that year (Douglas 2001). In May 2001 three plants reappeared at the same site.

Page 351 – insert illustration of ***Abronia umbellata* ssp. *acutalata*.**



Abronia umbellata* ssp. *acutalata

Page 332 – at ***Mirabilis hirsuta***, "Habitat/Range" -"rare" should read "infrequent"; at end of section add the phrase "possibly introduced."

Page 332 – at ***Mirabilis nyctaginea***, synonymy – insert space between "Michx.," and "*Oxybaphus*".

NYMPHAEACEAE

Page 336 – at ***Nymphaea leibergii***, authorities – "Morong." should read "Morong" at both places it occurs; at "Habitat/Range" – "infrequent" should read "rare".

Page 338 – at ***Nymphaea tetragona***, "Habitat/Range" – "infrequent" should read "rare".

ONAGRACEAE

Page 342 – at ***Camissonia breviflora***, "Habitat/Range" – "steppe" should read "montane"; "rare in C BC;" should read "rare in SC BC, known recently from Mt. Kobau;".

Page 344 – at ***Circea alpina*** – add "var. *alpina*".

Page 346 – at ***Clarkia pulchella***, "Habitat/Range" – "steppe zone" should read "steppe and montane zones".

Page 345 – lower illustration – add "var. *alpina*".

Page 348 – at ***Clarkia purpurea* ssp. *viminea*** – this was a misidentification. The taxon is actually *Clarkia purpurea* ssp. *quadrivulnera*. The new entry for *Clarkia purpurea* should read as follows:

***Clarkia purpurea* (Curtis) Nels. & Macbr. ssp. *quadrivulnera* (Dougl. *ex Lindl.*) H.F. & M.E. Lewis** (*C. quadrivulnera* [Dougl. *ex* Lindl.] Nels. & Macbr., *Godetia quadrivulnera* [Dougl. *ex* Lindl.] Spach, *Oenothera quadrivulnera* Dougl. *ex* Lindl.)

small-flowered godetia

Habitat/Range:

Dry, grassy slopes in the lowland zone; rare in SW BC, known only from Mt. Tzuhalem and Saturna Island; S to AZ and CA.

Description:

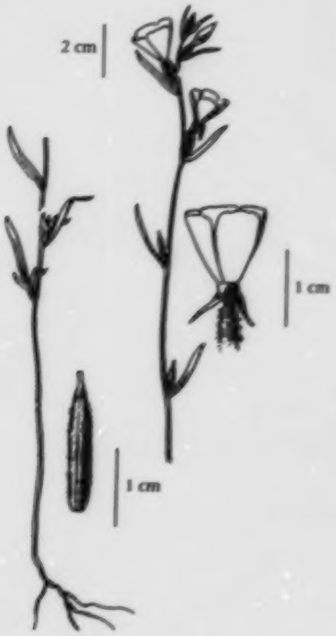
General: Annual herb from a slender taproot; stems erect, 10-70 cm tall, usually simple or branched from the base, glabrous or hairy.

Leaves: Linear to lanceolate, 1.5-5 cm long, entire; usually unstalked.

Flowers: Inflorescence an open spike, loosely-flowered, buds erect; hypanthium 2-10 mm long; corollas bowl-shaped, tending to close at night; petals lavender to purple and often with a darker spot above, fan-shaped to elliptic, 5-15 mm long; sepals staying fused in 2's or coming free, usually bent back; fertile stamens 8, all alike; stigmas elliptic-oblong, about 1.5 mm long, lavender to purple or dark wine-red; stigma not exceeding anthers.

Fruits: Capsules, 1-3 cm long, round or 4-angled, ribbed, densely hairy, short-beaked.

Page 349 – Replace upper illustration with the following:



Clarkia purpurea* ssp. *quadrivulnera

Page 354 – at ***Epilobium ciliatum***, synonymy –"*E. glandulosum* Lechm." should read "*E. gladulosum* Lehm."

Page 356 – at ***Epilobium davuricum*** – English name should read "**northern swamp willowherb**"

Page 358 – at ***Epilobium foliosum***, "**Leaves**" – "Alternate" should read "Opposite".

Page 360 – at ***Epilobium hirsutum***, "HABITAT/RANGE" – "Okanagan valley" should read "Okanagan Valley".

Page 360 – at ***Epilobium hornemannii***, "**Flowers**" – "erect" should read "erect or nodding".

Page 362 – at ***Epilobium leptocarpum*** – English name should read "**small-fruited willowherb**".

Page 378 – at ***Oenothera pallida* ssp. *pallida***, "HABITAT/RANGE" – "rare" should read "infrequent".

REFERENCES

Page 381 – at "Brayshaw, T.C. 1985" – "Moncotyledons" should read "Monocotyledons".

Page 381 – at "Douglas, G.W. 1995" – "Anthernideae" should read "Anthemideae"; "Eupatoreae" should read "Eupatorieae".

Page 382 – at "Hitchcock *et al.* 1955-1969" – "Thomson" should read "Thompson".

Page 384 – at "Tutin *et al.* 1964-1980" – "MA" should read "England".

Page 385 – at "Fernald, M.L. and J.F. MacBride" – "MacBride" should read "Macbride".

APPENDIX I – EXCLUDED SPECIES

Page 392 – insert **DIPSACACEAE** and add entry as follows: "***Scabiosa ochroleuca*** **L.** This species, reported by Douglas *et al.* (1990), does not persist in BC."

Page 392 – at **FABACEAE** add "***Astragalus convallarius*** **Greene** – All BC specimens have been re-identified as other taxa.".

Page 392 – at **FABACEAE** add "***Lupinus minimus*** **Dougl. ex Hook.** – This species was reported from SE BC by Dunn and Gillett (1966) and Douglas *et al.*(1990, 1999). The latter two treatments mistakenly included ***L. minimus*** within ***L. lepidus***. At any rate, no material of this species has been located after herbaria and field searches.

Page 394 – at ***Pleuricospora fimbriata*** – "***fimbriata***" should read "***fimbriolata***".

Page 395 – under "NYCTAGINACEAE" – delete ***Abronia umbellata*** **ssp.** ***acutalata*** entry.

Page 395 – under "ONAGRACEAE" – at ***Clarkia quadrivulnera*** - delete this entry and replace with "***Clarkia purpurea*** **(Curtis) Nels. & Macbr. ssp.** ***viminea*** **(Dougl.) H. Lewis & M. Lewis** (*C. viminea* Dougl.). This taxon, reported by Douglas *et al.* (1999a), was based on a misidentification.".

APPENDIX II – NAME CHANGES

Page 396 – line 13 up – "oxycanthoides" should read "oxyacanthoides".

Page 396 – line 19 down, "*L. argenteus* var. *argenteus*" should read "*L. argenteus* var. *tenellus*".

Page 396 – line 25 down, at *Mentha x piperita* – "var." should read "ssp.".

INDEX

Page 412 – line 20 down, right column, "***Chamaesyce serpyllifolia***" should read "***serpyllifolia*** **ssp.** ***serpyllifolia***".

Page 415 – line 3 down, left column – "**moluntain**" should read "**mountain**".

Page 415 – line 14 down, left column – "***detonsa*** **var.** ***uncialis***" should read "***detonsa*** **var.** ***unicaulis***".

Page 415 – line 27 down, left column – "***propinqua*** **ssp.** ***propinque***" should read "***propinqua*** **ssp.** ***propinqua***".

Page 416 – line 7 down, right column, above "Lamium" – insert "LAMIACEAE 254".

Page 417 – line 9 down, left column "**slilky**" should read "**silky**".

Page 417 – line 28 up, left column – "***Lotus unifoliatus*** **var.** ***unifoliatus***" should read "***Lotus unifoliolatus*** **var.** ***unifoliolatus***".

Page 417 – line 19 up, above "***polycarpus*** 130" – insert "***oreganus*** **var.** ***kincaidii*** 392".

Page 420 – line 21 down, right column – "**Macbryde's**" should read "**Macbride's**".

Page 420 – line 14 up, right column, above "**plum**" – insert "***Pleuricospora fimbriolata*** 394".

Page 422 – line 20 up, left column – "***Thermospsis rhombifolia*** **var.** ***rhombifolia***" should read "***Thermospsis rhombifolia***".

Volume 4

OROBANCHACEAE

Page 6 – at **OROBANCHACEAE key** – remove last phrase at each lead.

Page 6 – at ***Boschniakia rossica***, "**General**" – "10-40 cm" should read "10-14 cm".

Page 8 – at ***OROBANCHE*** key – at 2nd lead #5 – delete "SW and".

Page 8 – at ***Orobanche corymbosa***, "HABITAT/RANGE" – "steppe zone" should read "steppe and montane zones".

Page 10 – at ***Orobanche fasciculata***, "HABITAT/RANGE" – line 2, after "eastward; insert "N to YT,".

Page 10 – at ***Orobanche ludoviciana*** **ssp.** ***ludoviciana***, "HABITAT/RANGE" – "steppe and montane zones" should read "montane zone"; delete the word "boschniaka" from end of this section.

Page 10 – at ***Orobanche uniflora***, **"Flowers"** – "1.5-3.5 mm" should read "1.5-3.5 cm".

Page 10 – ***Orobanche pinorum***, although included in the ***OROBANCHE*** key, was formerly excluded from the flora. A recent collection requires an entry as follows:

Orobanche pinorum Geyer *ex.* Hook

pine broomrape

HABITAT/RANGE:

Parasitic on coniferous species; moist to mesic sites in the lowland zone; rare on S Vancouver Island, S to N ID and NW CA.

DESCRIPTION:

General: Parasitic herb from an evidently thickened, somewhat tuberous base, soon tapering and becoming more slender, short glandular-hairy throughout; stems one or several, with more or less numerous, short, slender branches above, 10-30 cm tall.

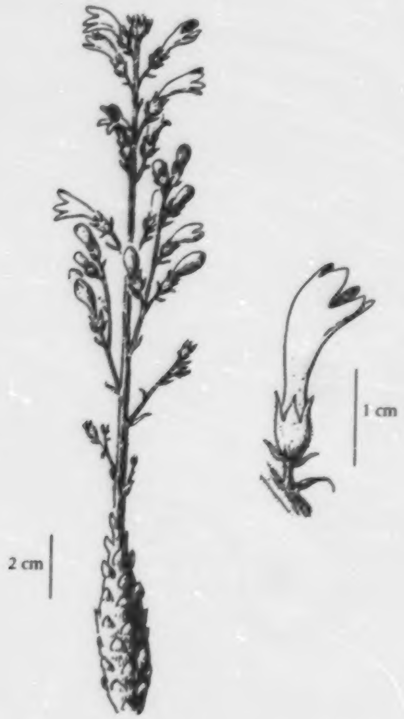
Leaves: Basal leaves lacking; stem leaves scaly-bracteate, alternate, short glandular-hairy.

Flowers: Inflorescence loose, panicle-like, the flowers short-stalked or unstalked, subtended by a pair of bractlets at the base of the calyces as well as by a bract at the base of the stalk; corolla 13-20 mm long, yellowish marked with purplish-brown, the lips short, with short-pointed lobes; calyces 5-8 mm long, the slender lobes about equalling the tubes, or a little shorter, with leaves; anthers smooth or nearly so.

Fruits: Capsules, 2-locular, 2- or 3-valved, breaking open longitudinally; seeds numerous, small.

Notes: This species was collected from the Koksilah River in 2000 by A. Ceska after a hiatus of 86 years.

Page 11 – insert illustration of *Orobanche pinorum*.



Orobanche pinorum

OXALIDACEAE

Page 14 – at ***Oxalis stricta*, "Fruits" – line 2 – "longitudinally marked" should read "cross-ridged".**

PAPAVERACEAE

Page 16 – at ***PAPAVER*** key – at 2nd lead #1, after "native" insert "and introduced (*P. nudicaule*)"

Page 18 – at ***Papaver dubium*, "General" – "spreading stiff-hairy" should read "appressed stiff-hairy above".**

PARNASSIACEAE

Page 26 – at ***Parnassia parviflora*, "Flowers" – "4-7 (10) cm" should read "4-7 (10) mm".**

POLEMONIACEAE

Page 44 – at ***Gilia tenerrima*, "HABITAT/RANGE" – after "Valley" insert "and Anarchist Mountain".**

Page 48 – at ***NAVARRETIA*** key add *Navarretia divaricata* after 2nd lead #1 as follows:

1a. Corollas 9-12 mm long; terminal segment of leaves slightly elongate .... *N. squarrosa*

1a. Corollas 3.5-5 mm long; terminal segment of leaves notably elongate .... *N. divaricata*

Page 48 – at ***Navarretia intertexta*, "HABITAT/RANGE" – "steppe" should read "montane", "SW" should read "SC".**

Page 48 – add entry for ***Navarretia divaricata* var. *divaricata*** as follows.

Navarretia divaricata (Benth.) Hook. **var. *divaricata***

mountain navarretia

HABITAT/RANGE:

Dry forest openings in the montane zone; rare in SC BC, known only from Anarchist Mountain; S to MT, ID, NV and CA.

DESCRIPTION:

General: Low slender annual herb from a taproot, short- to long-hairy, at least in the inflorescence, often also finely glandular; stems widely branched, usually from near the base, nearly smooth, tending to be wider than tall, 2-10 cm tall.

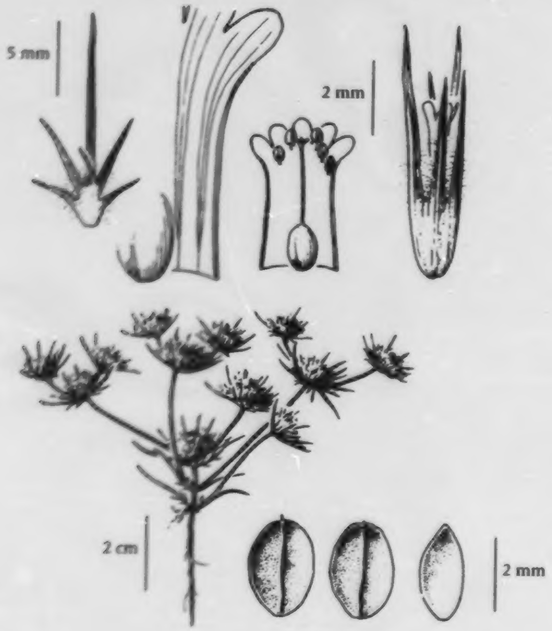
Leaves: Basal leaves threadlike, few, smooth, entire; stem leaves pinnatifid, the lobes threadlike, abruptly pointed, seldom 2.5 cm long.

Flowers: Inflorescence of flowers borne in dense, leafy-bracteate heads terminating the stem and branches, the lateral branches arising just beneath, or even within, the head and again producing terminal heads which may have associated branches; corollas regular, white to pale pink or lavender, 3.5-5 mm long, the lobes less than 1 mm long, the petal traces 3-veined well down into the tubes; calyces 5-10 mm long, generally surpassing the corolla, 2 or 3 of the lobes evidently longer than the others; bracts foliaceous with firm-papery bases, palmatifid or subpalmatifid; filaments very short, up to about 0.3 mm long, subequally inserted less than 1 mm below the sinuses; stigmas 3, often 2 of them partly fused.

Fruits: Capsules, regularly dehiscent, usually from the base upward, by 3 valves, but commonly only 2-locular by complete failure of one of the partitions, the odd valve narrower than the others.

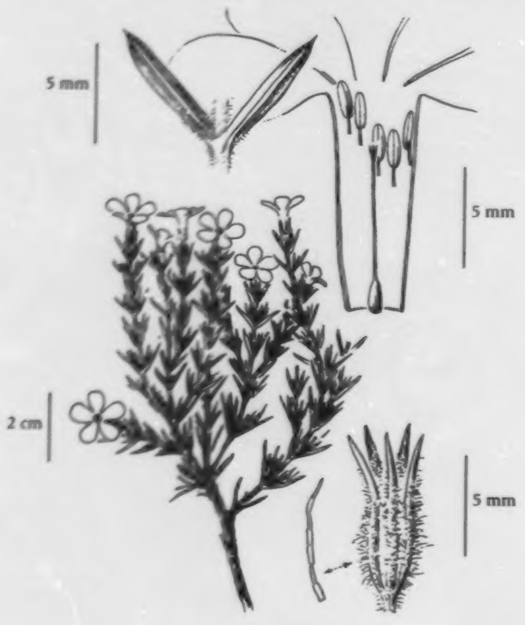
Notes: The first collection of this species was made in 2000 at Anarchist Mountain (Douglas *et al.* 2002).

Page 49 – insert illustration for ***Navarretia divaricata*** **var.** ***divaricata.***


5 mm
2 mm
2 cm
2 mm

Navarretia divaricata **var.** ***divaricata***

Page 51 – illustration of ***Phlox caespitosa*** is incorrect. Replace with the following:


5 mm
5 mm
2 cm
5 mm

Phlox caespitosa

Page 52 – at ***Phlox hoodii*** – this was a misidentification. This taxon is no longer part of the BC flora.

Page 58 – at ***Polemonium occidentale*** – add "**ssp. *occidentale***" after "**Greene**".

Page 59 – illustration, top right – "***Polemonium occidentale***" should read "***Polemonium occidentale* ssp. *occidentale***".

POLYGONACEAE

Page 76 – at ***Polygonum bistortoides***, "Habitat/Range" – "SC and SE BC" should read "S BC".

Page 80 – at ***Polygonum douglasii*** "Habitat/Range" – "steppe and lower montane zones" should read a "montane zone"; at key, line 3 up from bottom – "Gandi" should read "Gandhi".

Page 84 – at ***Polygonum hydropiperoides***, "Habitat/Range": "lowland, steppe and montane zones" should read "lowland zone"; "rare in S BC" should read "rare in SW BC".

Page 90 – at ***Polygonum punctatum***, "**Flowers**" – "teminal" should read "terminal".

Page 91 – illustration, ***Polygonum ramosissimum*** – the leaf illustrations for the varieties should be reversed.

Page 98 – at ***Rumex maritimus***, "Habitat/Range" – "S to AK, NM and CA" should read "S to NC, AR, TX, NM, AZ and CA".

Page 100 – at ***Rumex paucifolius***, "Habitat/Range" – insert "BC" after "SC".

Page 105 – illustrations, at top illustration add "**var. *menziesii***" and at bottom illustration add "**var. *caudiciferum***".

PORTULACACEAE

Page 108 – at ***Claytonia exigua* ssp. *exigua***, "Habitat/Range" – "rare" should read "infrequent".

Page 110 – at ***Claytonia parviflora* ssp. *parviflora***, "**Leaves**" – line 2 – "5 cm" should read "10 cm".

Page 110 – at ***Claytonia perfoliata***, "**Leaves**" – "10 cm" should read "5 cm".

Page 112 – at ***Claytonia rubra***, "Habitat/Range" – delete "vernal pools"; delete "(Boundary Bay)" and after "mainland" insert "(ssp. *depressa*), frequent in SC BC (ssp. *rubra*)".

Page 114 – at ***Claytonia tuberosa***, synonymy – delete period after "Pallas".

Page 126 – at ***Portulaca oleracea***, "Habitat/Range" – delete "infrequent in SC BC".

PRIMULACEAE

Page 138 – at ***Dodecatheon jeffreyi* ssp. *jeffreyi***, "Habitat/Range" – prior to "in SE" insert "rare".

Page 140 – at ***Dodecatheon pulchellum***, key, 1st lead #1 – authority after "ssp. *cusickii*" should read "(Greene) Calder & Taylor".

Page 144 – at ***Glaux maritima***, key – the leaf length to width ratios should be reversed.

Page 144 – at ***LYSIMACHIA*** key – 1st lead #5 – delete the word "a" after "inflorescence".

Page 145 – illustration, add "**spp. *maritima***".

Page 148 – at ***Lysimachia terrestris***, "**Leaves**" – "5-15 mm" should read "5-15 cm".

Page 150 – at ***Primula cuneifolia* ssp. *saxifragifolia***, "**General**" – delete "not whitish-mealy" after "root".

Page 152 – at ***Primula incana***, "Habitat/Range", "infrequent in E and N BC;" should read "infrequent in N BC, rare in SE BC;".

Page 152 – at ***Primula mistassinica***, "Habitat/Range" – after "NE and" insert " infrequent in".

Page 154 – at ***Primula nutans***, authority for the synonym *P. clusiana* – "Taush" should read "Tausch",. "Habitat/Range", "N" should read "NW".

RANUNCULACEAE

Page 188 – at ***Caltha leptosepala***, synonymy – insert "=" between "Smith" and "var. *biflora*".

Page 210 – at ***RANUNCULUS*** key, 2nd lead #22 – after "native" insert "or introduced (*R. acris*)."

Page 218 – at ***Ranunculus cardiophyllus***, "Habitat/Range" – "steppe, montane and subalpine zones" should read "montane zone".

Page 234 – at ***Ranunculus pedatifidus***, "Habitat/Range" – after "throughout" delete "S" and "Mountains," delete "rare in NE BC".

Page 240 – at ***Ranunculus sardous***, "Habitat/Range" – after "Islands" insert "and lower Fraser Valley".

Page 246 – at ***Thalictrum dasycarpum***, "Habitat/Range" – "steppe and lower montane zones" should read "montane zone".

ROSACEAE

Page 316 – at ***Potentilla nivea***, "Habitat/Range" – after "BC," add "in and".

Page 318 – at ***Potentilla ovina***, "Habitat/Range" – "montane and subalpine zones" should read "subalpine and alpine zones".

Page 334 – at ***ROSA*** key – add ***Rosa multiflora*** as a new lead #1 as follows:

1. Stipules deeply fringed or comb-like; inflorescence multiflowered .... *Rosa multiflora*
1. Stipules entire to coarsely toothed; inforescence single to several-flowered.
    1a. Prickles strongly curved .... etc.
    1a. Prickles not or only slightly curved .... etc.

Page 338 – at ***Rosa canina***, "Habitat/Range" – after "lowland" insert "and steppe".

Page 340 – add entry for ***Rosa multiflora*** as follows.

Rosa multiflora Thunb. ex Murr.
rambler rose
Habitat/Range:

Mesic slopes in the lowland zone; rare in SW BC, known only from Sapperton Island; introduced from E Asia.

Description:

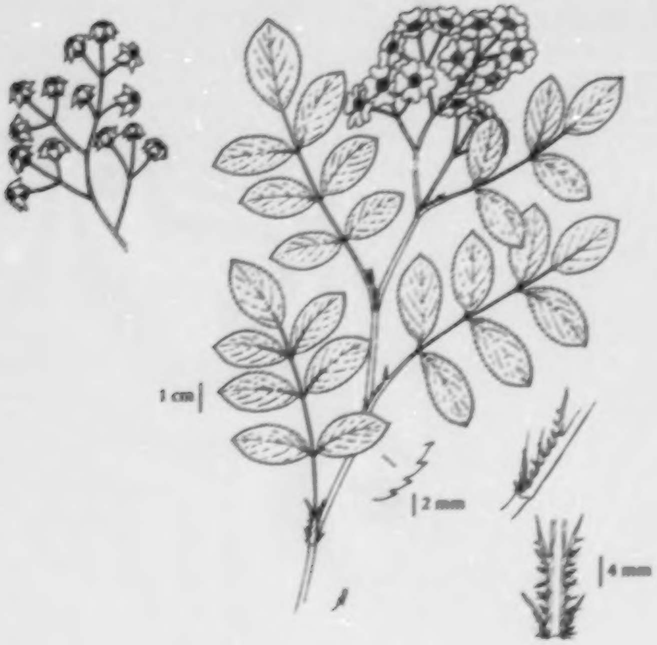
General: Low to medium scrambling or climbing shrub, up to 5 m tall/long; stems slender, erect to arching, usually covered with numerous straight, paired, bristly prickles; twigs of the current year often smooth; mature stems reddish- to greyish-brown.

Leaves: Alternate, deciduous, odd-pinnately compound, the axis densely hairy and glandular; leaflets commonly 7 to 9, elliptic to egg-shaped, rounded to merely pointed, 2-5 cm long, coarsely toothed to double-toothed, the teeth often gland-tipped, more or less rounded at the base, usually somewhat hairy on the underside; stipules conspicuously fringed or comb-like and often glandular.

Flowers: Inflorescence many-flowered, the flowers 20-100; corollas white, saucer-shaped, the petals 1-2 cm long; calyces 5-lobed, the lobes lanceolate, persistent, becoming reflexed in fruit; ovaries superior but enclosed in the urn-shaped floral tube (hypanthium); stamens numerous.

Fruits: Achenes, stiffly long-hairy on one side or towards the tip, enclosed by the fleshy hypanthium which ripens into a scarlet to purplish, globe- to pear-shaped or ellipsoid hip 0.5-2 cm long/wide.

Page 341 – insert illustration for ***Rosa multiflora***.



Rosa multiflora

Page 348 – at ***Rubus idaeus*** name entry – "**var. *strigosus***" should read "**ssp. *strigosus* (Michx.) Focke**".

Page 349 – illustration, bottom of page – "var. *strigosus*" should read "ssp. *strigosus*".

Page 360 – at ***Sanguisorba minor***, "HABITAT/RANGE" – after "lowland" insert "and montane".

RUBIACEAE

Page 374 – at ***Galium kamtschaticum***, "HABITAT/RANGE" – after "infrequent in coastal and C BC;" insert "rare in SE BC;".

Page 378 – at ***Galium multiflorum*** – "HABITAT/RANGE" – "Meese Lake" should read "McLeese Lake".

Page 380 – at ***Galium spurium***, "HABITAT/RANGE" – after "places" insert "in the lowland and montane zones"; after "rare in" insert "SW and NE BC"; "the lower Fraser Valley" should read "known only from the lower Fraser Valley and Dawsom Creek".

Page 380 – at ***Galium trifidum***, "**Flowers**" – after "inflorescence of" insert "1 to 3 or several (in ssp. *columbianum*)".

REFERENCES

Page 385 – at "Brayshaw, T.C. 1985" – "Moncotyledons" should read "Monocotyledons".

Page 385 – at "Douglas. 1995" – "Eupatoreae" should read "Eupatorieae".

Page 386 – the following reference was omitted:

Douglas, G.W., G.B. Straley, and D. Meidinger. 1991. The Vascular Plants of British Columbia. Part 3 – Dicotyledons (Primulaceae through Zygophyllaceae) and Pteridophytes. Special Rept. Ser. 3. B.C. Minist. Of For., Victoria, BC.

Page 386 – at "Hitchcock *et al.* 1955-1969 – "Thomson" should read "Thompson".

Page 388 – at "Tutin *et al.* 1964-1980" – "MA" should read "England".

Page 392 – line 6 up, at "Doroszewska, A. 1974" – "taxanomical" should read "taxonomical".

APPENDIX I – EXCLUDED SPECIES

Page 396 – at **OROBANCHACEAE** – ***Orobanche pinorum*** **Geyer *ex* Hook.** should be deleted; it was collected in 2000.

Page 396 – under **POLEMONIACEAE**, at "***Linanthus pharnaceoides***" – "*L. septrionalis* "should read "*L. septentrionalis*".

Page 396 – under **POLEMONIACEAE** – add "***Phlox alyssifolia*** Greene". Reported by Taylor and MacBryde (1977) and Straley *et al.* (1985) but material was based on misidentifications."

Page 396 – under **POLEMONIACEAE** – add "***Phlox hoodii*** **Richards**. Reported by Taylor and

MacBryde (1977), Straley *et al.* (1985), Douglas *et al.* (1998a, 1999b) but material was based on misidentifications."

Page 397 – under **RANUNCULACEAE** – add "***Delphinium depauperatum*** **(Nutt.) T. & G.** Reported by Douglas *et al.* (1991) but material was based on misidentifications."

INDEX

Page 419 – line 8 down, right column – "***pariense***" should read "***parisiense***".

Page 423 – line 23 down, left column, under ***Polemonium*** – "***occidentale***" should read "***occidentale*** **ssp.** ***occidentale***".

Page 425 – line 29 up, left column, above "***macounii***" – insert "***lobbii*** 397".

Page 425 – line 4 up, right column – "***idaeus*** **var.** ***strigosus***" " should read "***idaeus*** **ssp.** ***strigosus***".

Volume 5

SALICACEAE

Page 6 – at ***Populus balsamifera***, "HABITAT/RANGE" – "VI" should read "VA".

Page 8 – at ***Populus deltoides***, "**Leaves**", line 3 – delete 2nd "with a"; at key, 2nd lead #1 – "flowers" should read "flower".

Page 8 – at ***Populus tremuloides***, "HABITAT/RANGE" – line 3 – "AK" should read "AR", "**General**" – " up to 10-25" should read "up to 25".

Page 13 – at key, 1st lead #39 – delete comma between "hairs" and "on midrib".

Page 26 – at ***Salix candida***, "**Flowers**" – "catkins which flowers as leaves emerge tor" should read "catkins in which flowers emerge as leaves emerge, or".

Page 48 – at ***Salix pseudomyrsinites***, "Notes" – line 3, "Table 3" should read "Table 2".

Page 56 – at ***Salix sessilfolia***, "HABITAT/RANGE" – delete "(lower Fraser Valley)".

SAXIFRAGACEAE

Page 70 – at ***Elmera racemosa***, "Rydb" should read "Rydb."

Page 82 – at ***Mitella caulescens***, "HABITAT/RANGE" – delete second "ID".

Page 87 – at ***Saxifragaceae*** key, at leads #22 – "*S. odontoloma*" should be switched with "*S. nelsoniana*".

Page 96 – at ***Saxifraga lyallii***, "Habitat/Range" – "SW YT" should read "SW NT".

Page 101 – at ***Saxifraga occidentalis*** illustration the petals should not be 2-spotted; at ***Saxifraga odontoloma*** illustration the petal should be 2-spotted.

Page 102 – at ***Saxifraga razshivinii*** – English name should read "**large-petalled saxifrage**".

Page 106 – at ***Saxifraga taylori*** , "Habitat/Range" – "frequent" should read "rare" and ",rare on" should read "and".

Page 106 – at ***Saxifraga tricuspidata***, "Habitat/Range" – "in BC and E of the Coast-Cascade Mountains" should read "in BC in and E of the Coast-Cascade Mountains".

Page 110 – at ***Tiarella trifoliata***, synonymy – "*T. lacinata* Hook. = var. *lacinata*" should read "*T. laciniata* Hook. = var. *laciniata*".

SCROPHULARIACEAE

Page 118 – at ***Castilleja*** key, 2nd lead #1 – "*C. exilis*" should read "*C. minor*".

Page 119 – at ***Castilleja*** key, 1st lead #19 – "*C. rhexifolia*" should read "*C. rhexiifolia*".

Page 120 – at ***Castilleja ambigua* ssp. *ambigua***, "Habitat/Range" – after "wet" add "vernal sites,".

Page 130 – at "***Castilleja rhexifolia***" – name should read "***Castilleja rhexiifolia***".

Page 131 – illustration, top left – "*rhexifolia*" should read "*rhexiifolia*".

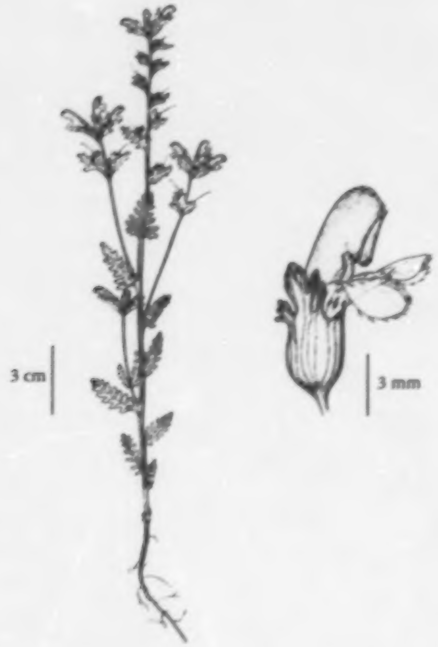
Page 132 – at ***Castilleja tenuis***, – "Habitat/Range" – line 1, delete " on S Vancouver Island and"

Page 146 – at ***Linaria purpurea***, "**Flowers**" – "more than as long" should read "more than _ as long".

Page 162 – at ***Orthocarpus imbricatus***, "Habitat/Range" – "montane" should read "subalpine".

Page 174 – at ***Pedicularis oederi***, "**Hornem**" should read "**Hornem.**"

Page 177 – illustration of ***Pedicularis parviflora* ssp. *parviflora*** is incorrect. Replace with the following:



Pedicularis parviflora ssp. *parviflora*

Page 190 – at ***Penstemon lyallii***, "Habitat/Range" – "rare" should read "infrequent".

Page 192 – at ***Penstemon procerus***, "Habitat/Range" – "*tolmei*" should read "*tolmiei*".

Page 198 – at ***Scrophularia lanceolata***, "Habitat/Range" – "steppe" should read "montane".

Page 206 – at key, 1st lead #8 – "*V. hederaefolia*" should read "*V. hederifolia*".

Page 210 – at ***Veronica catanata***, "General" – line 2 – after "throughout" add ", sometimes glandular".

Page 212 – at "***Veronica hederaefolia***" – scientific name should read "***Veronica hederifolia***".

Page 213 – illustration, top right – "*hederaefolia*" should read "*hederifolia*".

SOLANACEAE

Page 224 – at ***Solanum triflorum***, "**Leaves**", line 2 – delete the words "lobed, the lobes spreading to bent back,".

ULMACEAE

Page 226 – at ***Ulmus pumila***, "**Leaves**" – insert comma between "below" and "margins".

VALERIANACEAE

Page 232 – at ***Plectritis macrocera***, "**Flowers**" – delete comma between "less" and "cylindric".

Page 234 – at ***Valeriana edulis* ssp. *edulis***, "Habitat/Range" – "steppe and montane zones" should read "montane zone".

VERBENACEAE

Page 238 – at ***Verbena hastata* var. *scabra***, "Habitat/Range" – "IO" should read "IA".

VIOLACEAE

Page 241 – at key, 2nd lead #26 – "14-24 cm" should read "14-24 mm".

Page 243 – illustration – "***Viola adunca***" should read "***Viola adunca* var. *adunca***".

Page 246 – at ***Viola langsdorfii***, "Habitat/Range" – line 1, "montane" should read "lowland".

Page 246 – at ***Viola macloskeyi* var. *venosa***, "Habitat/Range" – line 1, insert "lowland and" before "montane".

Page 252 – at ***Viola purpurea***, "Habitat/Range" – "Moist meadows and ridges" should read "Dry scree and gravelly or rocky slopes".

Page 254 – at ***Viola septentrionalis***, "Habitat/Range" – "IO" should read "IA".

VISCACEAE

Page 258 – at ***Arceuthobium campylopodium***, "Habitat/Range" – insert "of" after "north".

PTERIDOPHYTES

Page 260 – at **PTERIDOPHYTES** key, 2nd lead #4 – "**SELAGINACEAE**" should read '**SELAGINELLACEAE**".

EQUISETACEAE

Page 266 – at ***Equisetum palustre***, "HABITAT/RANGE" – "VE" should read "VT".

ISOETACEAE

Page 272 – at ***Isoetes occidentalis***, at synonyms –"*fettii*" should read "*flettii*"

SELAGINELLACEAE

Page 282 – at ***SELAGINELLA*** key – add ***Selaginella rupestris*** to key as follows:

4. Leaf-tips with bristles less than 1 mm long; branches intricate, bearing scattered roots.

   4a. Leaves on main stems in pseudowhorls of 5; leaf and sporophyll tips blunt in profile .... *S. sibirica*

   4b. Leaves on main stems in pseudowhorls of 6; leaf and sporophyll tips pointed in profile .... *S. rupestris*

Page 284 – at ***Selaginella oregana***, "HABITAT/RANGE" – line 2, delete "Queen Charlotte Islands".

Page 284 – add entry for ***Selaginella rupestris*** as follows:

Selaginella rupestris (L.) Spring

rock selaginella

HABITAT/RANGE:

Dry grassy ridges in the montane zone; rare in NE BC, known only from the lower Peace River; N to NT, E to PQ and NB and S to ME, NY, NC, GA, MS, AR, OK and WY.

DESCRIPTION:

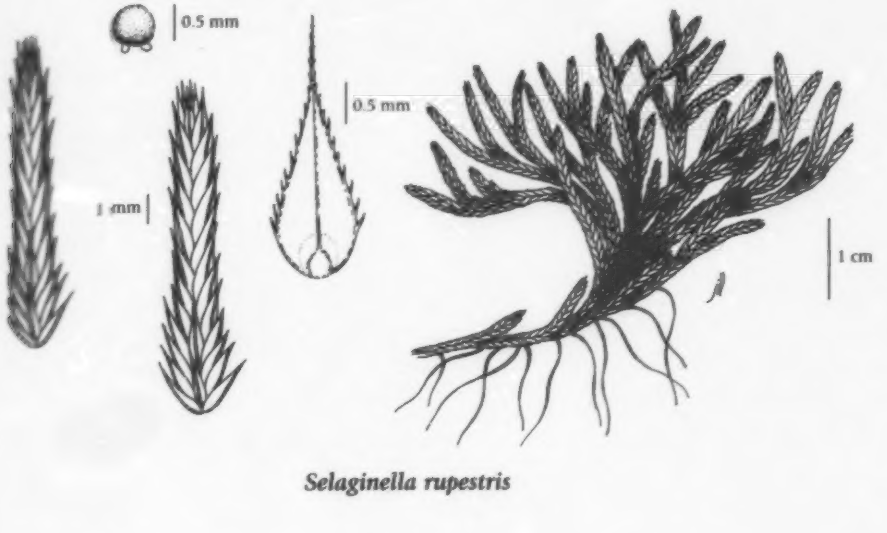
General: Evergreen perennial forming long or spreading mats, or rarely cushionlike mats, up to 6 cm in diameter and 1.5-4 cm tall.

Leaves: Linear or linear-lanceolate, 2.5-4 (4.5) mm long, 0.5-0.6 mm wide, in alternate pseudowhorls of 4 (on lateral branches) and 6 (on main stem), margins fringed with long hairs, the hairs transparent, spreading with white, whitish or transparent, short-hairy, 0.5-1 (1.5) mm long bristle tips.

Cones: Unstalked, strongly quadrangular, 0.5-3.5 mm long, 1-1.25 mm wide; sporophylls narrowly triangular; margins fringed or slightly toothed with long bristle tips.

Notes: This species was discovered in 2001 in the Peace River area and is a western range extension of the species in North America (Douglas *et al.* 2002).

Page 285 – insert illustration for ***Selaginella rupestris***.



Selaginella rupestris

OPHIOGLOSSACEAE

Page 289 – at ***Botrychium*** key – add ***Botrychium boreale*** to end of key as follows:

15. Pinnae with many lobes, lowest pinnae symmetrical, lacking larger lower lobes, the pinnae at right angles to the main stem or at most, weakly angled .... *B. pinnatum*

15. Pinnae with few lobes, lowest pinnae asymmetrical, with larger lower lobes, the pinnae at less than right angles to the main stem.

    16. Trophophores broadly triangular-shaped, nearly as wide at the base as long .... *Botrychium boreale*

    16. Trophophores narrowly triangular-shaped to oblong, longer than wide .... *Botrychium hesperium*

Page 290 – at ***Botrychium hesperium***, synonyms – prior to "*B. matricariifolium*" insert "*B. matricariifolium auct. non* [A. Braun] A. Braun,".

Page 290 – add entry for ***Botrychium boreale*** as follows:

Botrychium boreale J. Milde

boreal moonwort

HABITAT/RANGE:

Mesic to moist roadsides and disturbed sites; rare in E BC, known only from Kootenay National Park and the Valemount area; circumpolar, E to AB; N. Eurasia, Greenland.

DESCRIPTION:

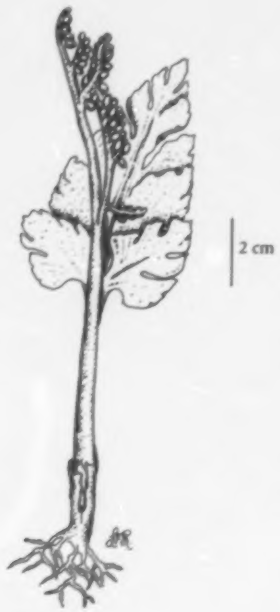
General: Deciduous perennial, 3-15 cm tall.

Trophophores: Broadly triangular-shaped, nearly as wide at the base as long, unstalked or short-stalked, the stalks less than 1/5 the length of the blades, the blades 1- or 2-pinnate, up to 8 cm long and up to 6 cm wide; pinnae up to 5 pairs, broadly triangular-shaped, nearly as wide at the base as long, usually approximate or overlapping, with subentire or slightly lobed margins; the basal pair of pinnae similar in size.

Sporophores: 2-pinnate, up to 2 times length of trophophore.

Notes: Although some *Botrychium* collections in the Rocky Mountains have been identified as *B. boreale*, it is still not certain whether our plants are the same as the European material.

Page 291 – insert illustration for ***Botrychium boreale***.



Botrychium boreale

Page 292 – at ***Botrychium multifidum***, "HABITAT/RANGE" – insert comma between "clearings" and "lake margins"; "**Trophophores**" – insert comma between "4-pinnate" and "up".

Page 294 – at ***Botrychium silaifolium***, "**Trophophores**" – "dubdivisions" should read "subdivisions".

Page 296 – at ***Botrychium simplex***, "HABITAT/RANGE" – "in S BC" should read in "BC" and after "N" delete "and in NE BC".

ASPLENIACEAE

Page 298 – at ***ASPLENIUM*** key, 1st lead #3 – insert "with" between "wing-margined" and "whitish".

Page 300 – at ***Asplenium viride***, "HABITAT/RANGE" – "VE" should read "VT".

DRYOPTERIDACEAE

Page 306 – at **DRYOPTERIDACEAE** key, 1st lead #1 – "*Matteucia*" should read "*Matteuccia*".

Page 312 – at ***Dryopteris cristata***, "HABITAT/RANGE" – delete second "NC".

Page 314 – at ***Gymnocarpium disjunctum***, synonymy – "[Rupr Morton)" should read "[Rupr.] Morton)".

Page 314 – at ***Gymnocarpium dryopteris***, "HABITAT/RANGE", – "infrequent" should read "frequent".

Page 316 – at ***Gymnocarpium jessoense***, the synonym "*G. robertian*" should read "*G. robertianum*"; "**Leaves**" – insert comma between "triangular" and "5-15 cm long".

Page 316 – middle of page – "***MATTEUCIA***" should read "***MATTEUCCIA***".

Page 316 – at "***Matteucia struthopteris***" – the genus should read "***Matteuccia***".

Page 317 – illustration, lower – "***Matteucia***" should read "***Matteuccia***".

Page 320 – at ***Polystichum lemmonii***, "HABITAT/RANGE" – "Okanagan Highland" should read "the Mt. Baldy area".

Page 324 – at ***Woodsia oregana***, "HABITAT/RANGE" – the N American range should read "N to NT, E to MB and S to WY, UT, NV and CA."

HYMENOPHYLLACEAE

Page 326 – at ***Hymenophyllum wrightii***, "HABITAT/RANGE" – "Vacouver" should read "Vancouver".

POLYPODEACEAE

Page 328 – at ***POLYPODIUM*** key, 2nd lead #3 – delete "marginal" after "segments".

PTERIDACEAE

Page 330 – at **PTERIDACEAE** key, 2nd lead #1 – "bent back-frond" should read "bent-back frond".

Page 336 – at ***Cryptogramma acrosticoides***, the authority for the synonym "*C. crispa*" should read "[L.] R. Br. *ex* Hook."

THELYPTERIDACEAE

Page 340 – at ***Phegopteris connectilis***, "HABITAT/RANGE" – "Most" should read "Moist".

REFERENCES

Page 345 – at Brayshaw, T.C. 1985 – "Moncotyledons" should read "Monocotyledons".

Page 345 – at Douglas, G. W. 1995 – "Eupatoreae" should read "Eupatorieae".

Page 353 – at **OPHIOGLOSSACEAE**, add:

Ceska, A.C. 1991. *Botrychium*. Pages 133-135 *In* G.W. Douglas *et al.*, eds. The Vascular Plants of British Columbia.

Part 3 – Dicotyledons (Primulaceae through Zygophyllaceae) and Pteridophytes. Special Rep. Ser. 3. B.C. Minist. For., Victoria, BC.

Page 354 – at Wagner W.H., Jr. and F.S. Wagner. 1993. – line 2, "Volume 3, Magnoliophyta: Magnolidae and Hamamelidae" should read "Volume 2. Pteridophytes and Gymnosperms"

Page 355 – at Prange, R.K. and P. von Aderkas. 1985 – "*Matteucia*" should read "*Matteuccia*".

Page 355 – at von Aderkas, P. 1983 – "*Matteucia*" should read "*Matteuccia*".

Page 355 – at von Aderkas, P. 1984 – "*Matteucia*" should read "*Matteuccia*".

APPENDIX I – EXCLUDED SPECIES

Page 357 – line 3 up – "***macroccana***" should read "***maroccana***".

Page 359 – at bottom of page add the following:

OPHIOGLOSSACEAE

Botrychium matricariifolium **(A. Braun *ex* Dowell) A. Braun *ex* Koch.** This species was treated as part of the BC flora by Scoggan (1978), Cody and Britton (1989) and Ceska (1994). It does not occur west of MB, ND and SD (Wagner and Wagner 1993, Kartesz and Meachum 1999). The material named as this in BC belongs to *B. hesperium.*

REFERENCES

Page 346 – at "Hitchcock *et al.* 1955-1969" – "Thomson" should read "Thompson".

Page 348 – at "Tutin *et al.* 1964-1980" – "MA" should read "England".

APPENDIX II – NAME CHANGES

Page 360 – at *Euphrasia arctica* var. *disjuncta* – "= *E. disjuncta*" should read "= *E. subarctica*".

INDEX

Page 378 – line 28 down, left column – "***rhexifolia***" should read "***rhexiifolia***".

Page 380 – line 4 down, left column – "***robertian***" should read "***robertianum***".

Page 380 – line 13 up, right column – "***macroccana***" should read "***maroccana***".

Page 381 – line 7 up, left column – "***Matteucia***" should read "***Matteuccia***".

Page 387 – line 29 down, right column – "***hederaefolia***" should read "***hederifolia***".

Volume 6

ACORACEAE

Page 6 – at ***Acorus americanus***, "HABITAT/RANGE" – "VI" should read "VA".

Page 8 – at ***Alisma lanceolatum***, "**General**" – "80-100 cm" should read "15-100 cm".

Page 8 – at ***Alisma triviale***, "**General**" – "100-120 cm" should read "20-120 cm".

CYPERACEAE

Page 32 – at ***Carex aenea***, "HABITAT/RANGE" – "SC" should read "SD".

Page 32 – at ***Carex albonigra***, "**Flowers**", last line – "bracts" should read "bract".

Page 44 – at ***Carex bicolor***, "**Flowers**", line 2 – "bases" should read "base".

Page 44 – at ***Carex bigelowii***, "**Flowers**", last line – "inflorescences" should read "inflorescence".

Page 48 – at ***Carex brunnescens***, "HABITAT/RANGE" – "NWT" should read "NT".

Page 70 – at ***Carex filifolia***, "HABITAT/RANGE" – "KA" should read "KS".

Page 92 – at ***Carex lenticularis***, "HABITAT/RANGE" – at var. *dolia* "rare in BC" should read "rare throughout BC", at var. *limnophila* "S NW CA" should read "S to NW CA".

Page 94 – at ***Carex limosa***, "HABITAT/RANGE" – "IO" should read "IA".

Page 104 – at ***Carex membranacea***, "**Flowers**", line 2 – delete "up to".

Page 108 – at ***Carex nigra*** – English name should read "**smooth black sedge**".

Page 112 – at ***Carex pallescens*** – English name should read "**pale meadow sedge**".

Page 118 – at ***Carex petasata***, "**Fruits**", line 3 – delete the comma after "beaks".

Page 132 – at ***Carex saxatilis***, "HABITAT/RANGE" -prior to "montane" insert "lowland,".

Page 132 – at ***Carex saximontana***, "**Flowers**", line 3 – insert "bracts" before "subtending".

Page 136 – at ***Carex simulata*** – English name should read "**short-beaked fen sedge**".

Page 146- at ***Carex sychnocephala*** – "HABITAT/RANGE" – insert "and SE" after "SC".

Page 146 – at ***Carex tenuiflora*** – English name should read "**sparse-flowered**".

Page 148 – at ***Carex tribuloides*** – "HABITAT/RANGE" – insert "zone" after "lowland".

Page 162 – at ***Dulichium arundinaceum*** – "**Fruits**" – line 2 – delete "more or less".

Page 166 – at ***Eleocharis obtusa*** – replace authority with **(Willd.) Schult.**

Page 166 – at ***Eleocharis palustris*** – "**Fruits**" – line 3 – delete "less".

Page 170 – at **ERIOPHORUM** key – *E. chamissonis* was omitted from the key- at the 1st lead #5 the key should now read:

5. Plants stoloniferous, usually with solitary culms.
    5a. Bristles white; anthers 0.5-1 mm long; middle scales with pale margins .... *E. scheuchzeri*
    5a. Bristles rust-coloured; anthers 1-2.5 mm long; middle scales with pale margins .... *E. chamissonis*

Page 172 – at ***Eriophorum angustifolium*** – line 2 – "Gandi" should read "Gandhi"; at "HABITAT/RANGE" – "IO" should read "IA".

Page 174 – at ***Eriophorum chamissonis*** – last line – "Fern" should read "Fern."

Page 180 – at ***Isolepis setacea*** – the authority "**L. R. Br.**" should read "**(L.) R Br.**".

Page 184 – at ***Lipocarpha micrantha***, "**Fruits**", 2nd line – "narrowly" should read "narrow".

Page 186 – at ***Rhynchospora capillacea***, "HABITAT/RANGE" – "swamps" should be deleted; "VI" should read "VA".

Page 190 – at ***Schoenoplectus saximontanus***, "**Fruits**" – line 2 – delete comma after "achenes".

Page 194 – at ***Scirpus atrocinctus***, "HABITAT/RANGE" – after "SE" insert "and NE"; "IO" should read "IA".

Page 198 – at ***Trichophorum pumilum***, at authority – "**(Vahl.)**" should read "**(Vahl)**"; "HABITAT/RANGE" – "subalpine and alpine" should read "montane and subalpine".

HYDROCHARITACEAE

Page 202 – at ***Vallisneria americana***, "**Flowers**", line 2 – "0.2 mm" should read "0.5 mm".

IRIDACEAE

Page 206 – at ***Olsynium douglasii***, "HABITAT/RANGE", line 2 – "steppe" should read "montane".

Page 208 – at ***Sisyrinchium californicum***, "HABITAT/RANGE" – "ponds" should read "pond".

Page 210 – at ***Sisyrinchium idahoense***, "HABITAT/RANGE" – "infrequent" should read "rare".

JUNCACEAE

Page 214 – at ***JUNCUS*** key – insert *Juncus marginatus* at first lead #26 as follows:

26a. Stamens 3; perianth segments 2-3 mm long; capsules 2-2.5 mm long .... *J. marginatus*

26a. Stamens 6; perianth segments 4.5-6 mm long; capsules 3.5-5 mm long .... *J. longistylis*

Page 218 – at ***Juncus albescens***, "HABITAT/RANGE" – "montane zone" should read "montane to alpine zones".

Page 220 – at ***Juncus arcticus***, "HABITAT/RANGE" – line 1 – "N BC" should read "N and E BC".

Page 226 – at ***Juncus bulbosus*** – English name should read "bulbous rush".

Page 226 – at ***Juncus canadensis*** – "HABITAT/RANGE" – delete "and Europe".

Page 228 – at ***Juncus confusus*** – "HABITAT/RANGE" – delete "lowland,".

Page 238 – insert entry for ***Juncus marginatus*** as follows:

Juncus marginatus Rostk.

grass-leaf rush

HABITAT/RANGE:

Moist roadsides and paths in the lowland zone; rare in SW BC, known only from Coquitlam; introduced from E North America.

DESCRIPTION:

General: Perennial herb from short, knotty rhizomes, often forming clumps; stems erect, 20-50 cm tall.

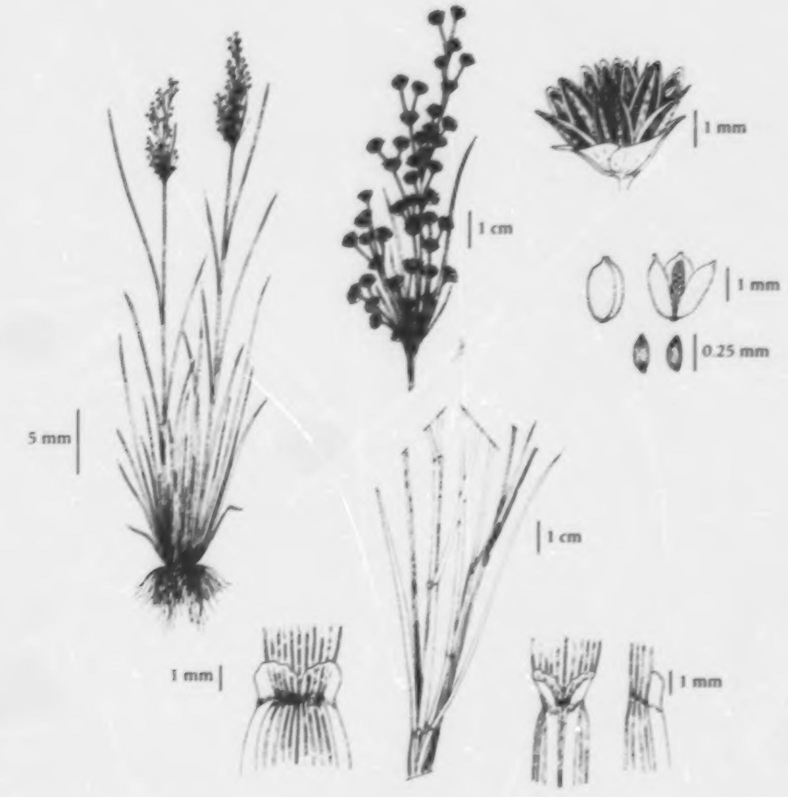
Leaves: Mostly on the lower part of the stems, flat, 3-5 mm wide, the uppermost blades usually shorter than the sheaths or sometimes bladeless, with short, rounded, ear-shaped lobes; sheaths open.

Flowers: Inflorescence appearing as if it is on the side of the stem, very compacted to much branched, relatively open and more or less obpyramidal, 2-15 cm long, the branches erect, the heads with several to ca. 200 clusters with 2-several flowers per cluster; outer perianth segments shorter than the inner, the latter about equalling the capsules, the outer somewhat keeled, short-pointed, ending in a callus tip, the inner much broader, with broader translucent margins toward the rounded tips; stamens 6; anthers lanceolate, about 1 mm long.

Fruits: Capsules, plump, broadly elliptic to egg-shaped, reddish-brown, lustrous, the summits rounded, 2-2.5 mm long, about as long as the perianth segments; seeds irregular in size, shape and surface-markings, symmetrical to very asymmetrical, oblong, blunt or with short tails at the tips, the surfaces from evenly, finely net-veined to longitudinally dark-ridged or darkly net-veined, pale to dark amber.

Notes: The first collection of this species in BC was made by F. Lomer in 1998.

Page 239 – insert illustration for ***Juncus marginatus***.



Juncus marginatus

Page 240 – at ***Juncus pelocarpus***, "**General**" – "vivpareous" should read "viviparous".

LILIACEAE

Page 274 – at ***Allium crenulatum***, "Habitat/Range" – "lowland, subalpine and alpine zones" should read "montane and subalpine zones" and "S to WA" should read "S to WA and SW OR".

Page 274 – at ***Allium geyeri* var. *tenerum***, "Habitat/Range" – "rare" should read "infrequent"; "**Flowers**", 5th line – "shorter the tepals" should read "shorter than the tepals".

Page 276 – at ***Allium validum***, "Habitat/Range" – "steppe to alpine" should read "steppe and montane".

Page 292 – at ***Lilium columbianum***, "Habitat/Range" – prior to "steppe" insert "lowland and".

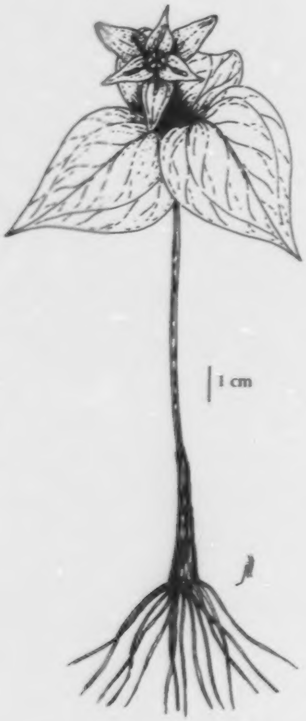
Page 294 – at ***Lloydia serotina***, "Habitat/Range" – line 2 – after "Vancouver Island" insert ", WC BC".

Page 296 – at ***Maianthemum dilatatum***, "Habitat/Range" – line 2, delete YT.

Page 310 – at ***Triantha occidentalis***, at synonyms – the 1st "T." should read "Tofieldia".

Page 310 – at ***Trillium ovatum***, at English names – after "white trillium" insert "(var. *ovatum*); **dwarf trillium**(var. *hibbersonii*)".

Page 311 – insert illustration for ***Trillium ovatum*** **var.** ***hibbersonii***.



Trillium ovatum **var.** ***hibbersonii***

REFERENCES

Page 321 – at Brayshaw, T.C. 1985 – "Moncotyledons" should read "Monocotyledons".

Page 321 – at Douglas, G. W. 1995 – "Eupatoreae" should read "Eupatorieae".

Page 323 – at "Hitchcock *et al.* 1955-1969" – "Thomson" should read "Thompson".

Page 323 – at Love, D. 1970 – "Subartic" should read "Subarctic".

Page 324 – at "Tutin *et al.* 1964-1980" – "MA" should read "England".

Page 326 – at Kalela, A. 1965 – "*brunescens*" should read "*brunnescens*".

Page 329 – at Cody, W.J. 1961 – "*pseudoacorus*" should read "*pseudacorus*".

Page 329 – at Raven, P.H. and J.H. Thomas – "*pseudoacorus*" should read "*pseudacorus*".

Page 329 – at Hamet-Ahti, L. 1965 – "piperii" should read "piperi".

APPENDIX 1 – EXCLUDED SPECIES

Page 332 – at ***Carex prinopylla*** – "*prinophylla*" should read "*prionophylla*".

Page 332 – at ***Scirpus pungens*** **ssp.** ***monophyllus*** – "Macbryde" should read "MacBryde"; "*Scoenoplectus*" should read "*Schoenoplectus*".

Page 333 – at **JUNCACEAE**, delete entry for ***Juncus marginatus***.

INDEX
Page 353 – line 20 up, right column – "***prinophylla***" should read "***prionophylla***".

Page 354 – line 9 down, left column – "***prinophylla***" should read "***prionophylla***".

Page 356 – line 11 down, right column – "***traci***" should read "***tracyi***".

Volume 7

POACEAE
Page 43 – at **POACEAE** key – 1st lead #6, line 2 – "*Dicanthelium*" should read "*Dichanthelium*" .

Page 43 – at **POACEAE** key – at Group II, 1st lead #2 – "broad" should read "narrow" and delete "of lemmas"; at 2nd #2 – "narrow" should read "broad" and delete "of lemmas".

Page 52 – at ***Achnatherum occidentale* ssp. *pubescens***, "HABITAT/RANGE" – line 1 – delete "frequent in NE BC".

Page 68 – at ***Agrostis variablis*** – "***variablis***" should read "***variabilis***".

Page 69 – top left illustration – "***Agrostis variablis***" should read "***Agrostis variabilis***".

Page 70 – at ***Alopecurus aequalis***, at authority – "**Scobal.**" should read "**Sobol.**"

Page 74 – at ***AMMOPHILA*** insert key as follows:

1. Ligules blunt, minutely fringed, 1-3 mm long; leaf blades 4-8 mm wide .... *A. breviligulata*
1. Ligules pointed, margins entire or sometimes jagged, 10-25 mm long; leaf blades 2-4 mm wide .... *A. arenaria*

Page 74 – insert entry for ***Ammophila breviligulata*** as follows:

Ammophila breviligulata **Fern.**
sand-reed
HABITAT/RANGE:

Sand dunes and sandy beaches in the lowland zone; locally infrequent on the W coast of Vancouver Island, known only from the Tofino area; introduced from SE USA.

DESCRIPTION:

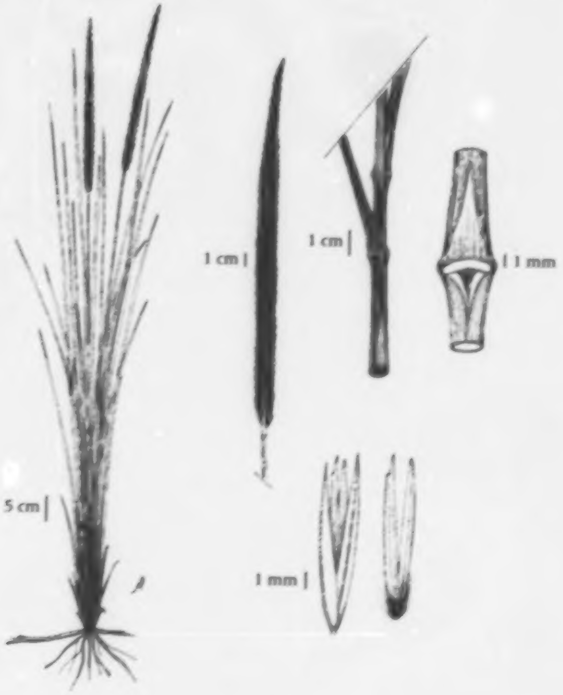
General: Perennial grass from firm widely creeping rhizomes; stems stout, erect, simple, rigid, smooth, 50-100 cm tall.

Leaves: Sheaths smooth; blades 4-8 mm wide when unrolled, elongate, soon in-rolled, minutely toothed and rough on the nerves above; ligules blunt, minutely fringed, 1-3 mm long.

Flowers: Inflorescence a dense, linear-cylindric panicle, 10-40 cm long, mostly 10-25 mm wide, whitish-brown or slightly purple-tinged, the base often enclosed in the upper sheath, the rachis short-hairy; spikelets compressed, 8-12 mm long; glumes short-hairy, about equal, 10-15 mm long, rounded to pointed, rough on the keels, somewhat rough to smooth on the sides; lemmas 9-13 mm long, short stiff-hairy on the sides and keels, pointed at the tips, the callus hairs 1-4 mm long, the paleas rounded; rachilla prolongation hairy, about 2 mm long, anthers linear, 6-8 mm long.

Notes: This species was collected for the first time in BC by N. Page in 2001. It has likely been in the Tofino area for some time since it occurs in fairly large concentrations, on several beaches.

Page 75 – insert illustration for ***Ammophila breviligulata*** as follows:



Ammophila breviligulata

Page 75 – at ***Anthoxanthum aristatum*** illustration – part on left side of illustration should be removed.

Page 114 – at ***Coleanthus subtilis,*** at authority – **"Seidl"** should read **"Seidel"**

Page 134 – at ***ELYMUS*** key, 2nd lead #5 – "*E. albicans*" should read "*E.* x *albicans*".

Page 134 – at ***ELYMUS*** key insert *Elymus virginicus* after 1st lead #10 as follows:

10a.Glumes hardened at the base, 10-40 mm long, the awns 8-12 mm long .... *E. virginicus*

10a.Glumes not hardened at the base, 9-14 mm long, the awns absent or 1-5 mm long .... *E. glaucus*

Page 139 – illustration – ***Elymus glaucus* ssp. *glaucus*** – the short-awned lemma drawings are ssp. *virescens.*

Page 142 – insert entry for ***Elymus virginicus* L. var. *submuticus*** as follows:

***Elymus virginicus* L. var. *submuticus* Hook.** (*E. submuticus* [Hook.] Smyth & Smyth)
beardless wildrye

Habitat/Range:

Moist forests or lakeshores in the montane zone; rare in SE BC, known only from Creston and Kuskonook; E to PQ and S to MA, PA, TN, MS, OK, NM, UT, ID and NE WA.

Description:

General: Perennial, tufted grass from fibrous roots; stems erect, 60-120 cm tall, smooth to rough, the nodes exposed, smooth.

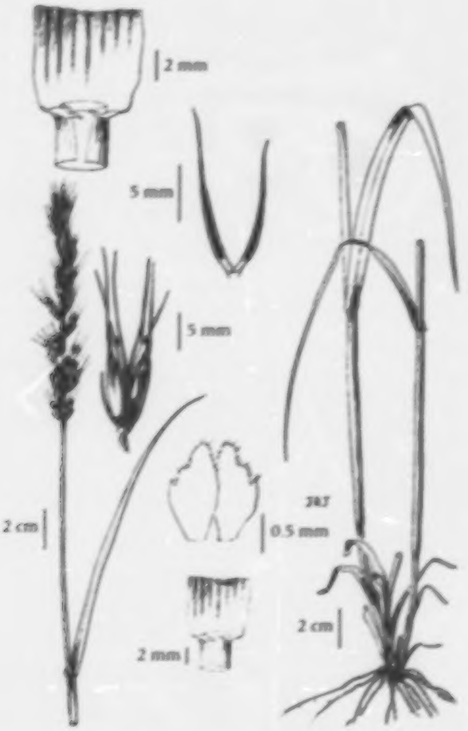
Leaves: Sheaths smooth; blades 5-10 mm wide, flat, ear-shaped lobes at the leaf-bases less than 1 mm long; ligules 0.5 mm long, minutely fringed.

Flowers: Inflorescence a spike 5-15 cm long, 1-2 cm wide, erect, with 3 to 5 spikelets per node; spikelets

12-16 mm long; glumes 10-40 mm long, 3-5 nerved, unawned or shortly awned, the awns 8-12 mm long, usually straight; lemmas 7-10 mm long, smooth to rough at least on the nerves, the awns 1-2.5 mm long, straight to slightly curved.

Notes: This species was overlooked in herbaria collections by Douglas *et al.* (1994, 2001b). It was last collected in BC in 1944.

Page 143 – insert illustration for ***Elymus virginicus*** **L. var.** ***submuticus***.



Elymus virginicus L. var. *submuticus*

Page 170 – at ***Glyceria grandis***, "Habitat/Range" – "VI" should read "VA".

Page 178 – at ***Hierochloe hirta***, "Habitat/Range" – "KT" should read "KY".

Page 200 – at ***Melica smithii***, "**Flowers** " – last line – delete ", about 10 mm long".

Page 202 – at ***MUHLENBERGIA*** key insert *Muhlenbergia uniflora* after 1st lead #1 as follows:

1a. Upper glumes about as long as the lemmas, the lemmas 1.2-2.1 mm long; ligules fringed with fine hairs, squared-off at the tips, 0.2-1 mm long; rhizomatic plants native in SC and SE BC .... *M. asperifolia*

1a. Upper glumes about half as long as the lemmas, the lemmas 1-1.2 mm long; ligules finely jagged, pointed at the tips, about 0.5 mm long; tufted plants introduced in SW BC .... *M. uniflora*

Page 208 – at ***Muhlenbergia racemosa***, "Habitat/Range" – line 2, "VI" should read "VA".

Page 210 – insert entry for ***Muhlenbergia uniflora*** as follows:

Muhlenbergia uniflora **(Muhl.) Fern.**

bog muhly

Habitat/Range:

Cranberry bogs in the lowland zone; rare in SW BC, known recently from Delta and Richmond; introduced from E North America.

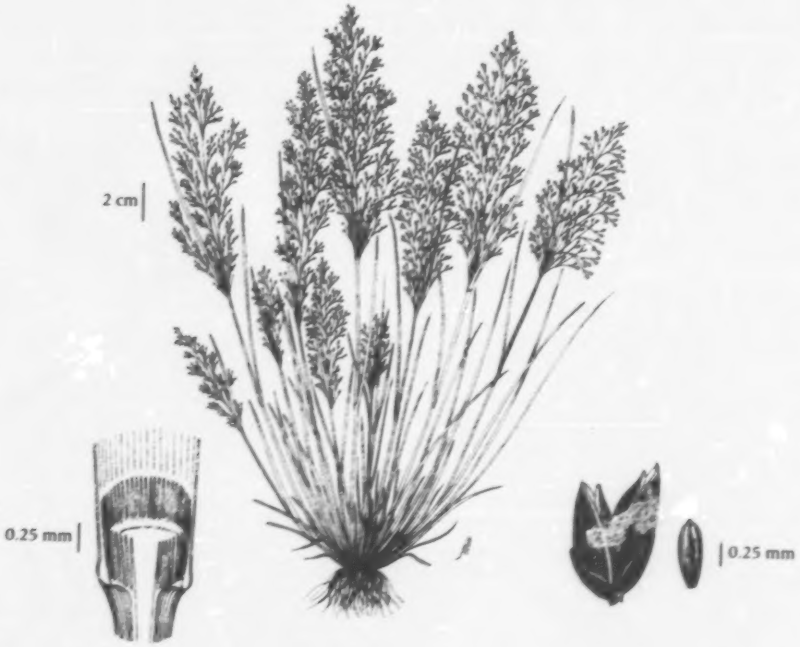
Description:

General: Perennial, tufted grass often with decumbent bases; stems slender, erect, 20-40 cm tall.

Leaves: Sheaths smooth, overlapping, the lower ones compressed; blades flat, crowded along the lower part of the stem, 1-2 mm wide; ligules about 0.5 mm long, finely jagged.

Flowers: Inflorescence a loose, open, oblong panicle, 7-20 cm long, 10-40 mm wide, the branches and flower stalks hairlike; spikelets dark purplish, 1- (rarely 2-) flowered, about 1-1.5 mm long; glumes 0.4-0.6 mm long, short-pointed, scarcely half as long as the spikelets; lemmas short-pointed, faintly 3-nerved, 1-1.2 mm long, unawned; paleas lanceolate, smooth, 0.3-0.4 mm long; anthers 0.3-0.4 mm long, purplish.

Page 211 – insert illustration of ***Muhlenbergia uniflora***.



Muhlenbergia uniflora

Page 212 – at ***Oryzopsis asperifolia***, "Habitat/Range" – "VI" should read "VA".

Page 214 – at ***Pascopyrum smithii***, English names – delete "western bluegrass".

Page 236 – at ***Poa fendleriana***, "Habitat/Range" – "slopes, talus" should read "grasslands".

Page 262 – at ***Schizachne purpurescens***, "Habitat/Range" – "KT" should read "KY".

Page 264 – at ***Schizachyrium scoparium***, "Habitat/Range" – "slopes" should read "shrublands, open forests and hotsprings".

Page 268 – at ***Spartina gracilis***, "Habitat/Range" – after "SE BC" insert ", rare in NE BC".

Page 272 – at ***Sporobolus compositus***, "Habitat/Range" – "SC" should read "SC and SE".

Page 272 – at ***Sporobolus cryptandrus***, "Habitat/Range" – after "rare in" insert "SC and SE" and after "BC" delete "east of the Coast-Cascade Mountains".

Page 280 – at ***Trisetum spicatum***, "Habitat/Range" – "VI" should read "VA".

POTAMOGETONACEAE

Page 294 – at ***Potamogeton alpinus***, "**Fruits**", line 1 – "3-3.5 cm long" should read "3-3.5 mm long".

Page 304 – at ***Potamogeton perfoliatus***, "Habitat/Range" – "N" should read "north of 53° N".

Page 306 – at ***Potamogeton praelongus***, the authority "**Wolfg.**" should read "**Wulfen**".

Page 308 – at ***Potamogeton strictifolius***, "Habitat/Range" – "SC and SE" should read "S".

Page 310 – at ***Stuckenia filiformis***, "**Leaves**", line 1 – delete "up to".

Page 312 – at ***Stuckenia vaginata***, "Habitat/Range" – after "rare" insert "in BC".

SPARGANIACEAE

Page 318 – at ***Sparganium angustifolium***, the authority "**Michx**" should read "**Michx.**"

Page 320 – at ***Sparganium fluctuans***, "Habitat/Range" – "SW and C BC" should read "BC south of 55° N".

TYPHACEAE

Page 322 – at ***Typha latifolia***, "**Flowers**", line 2 – "12-30 cm" should read "12-30 mm".

REFERENCES

Page 331 – at Douglas, G.W. 1995 citation – "Eupatoreae" should read "Eupatorieae".

APPENDIX 1 – EXCLUDED SPECIES

Page 346 – at **POACEAE** – insert entry as follows: "***Elymus* x *saundersii* (Vasey) A.S. Hitchc.** This taxon was treated in Douglas (1994) but in this volume it is considered an insignificant hybrid."

Page 346 – at **POACEAE** – ***Elymus virginicus* L. var. *submuticus* Hook.** should be deleted, this taxon is now known from BC.

Page 347 – at **POACEAE** – ***Muhlenbergia uniflora* (Muhl.) Fern.** should be deleted, this taxon is now known from BC.

INDEX

Page 367 – line 14 down, left column – "***Agropyron boreale* ssp. *hyperarcticium***" should read "***Agropyron boreale* ssp. *hyperarctium***".

Page 367 – line 24 up, right column – "***Agrostis variablis***" should read "***Agrostis variabilis***".

Page 368 – line 9 down, left column – "***Anthoxanthum hirtum* ssp. *articum***" should read "***Anthoxanthum hirtum* ssp. *arcticum***".

Page 374: – above "*Orchis rotundifolia*", line 11 down, right column – insert "ORCHIDACEAE 7"

Page 376 – above "*Podagrostis*", line 19 down, left column – insert "POACEAE 42"

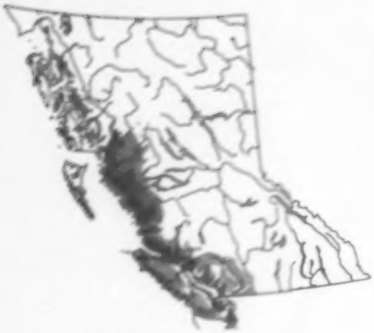
Page 376 – above "porcupinegrass", line 8 up, left column – insert "PONTEDERIACEAE 290"

Page 376 – above "*Pseudoroegneria*", line 20 up, right column – insert 'POTAMOGETONACEAE 292"

MAPS

Distribution maps have been provided for 2871 vascular plant species. These maps indicate general distribution only. The dots and circles depicting known populations are approximately 70 km in diameter and may mask many sites in the same area. In addition, due to limited time and funds, it was not possible to verify and map all herbaria collections (approximately 500,000). The exception is the rare native plants (Douglas *et al.* 2002) for which virtually all sites were mapped.

A number of species, with two or more subspecies or varieties have been combined (*sens. lat.*) for mapping purposes. This was necessary due to both a lack of available specimens and identification problems with highly variable infraspecific taxa. In the case of trees, shaded polygons from Krajina *et al.* (1982) are provided in lieu of dots. The circles appearing on some of the rare vascular plant maps indicate that the collection at the site was taken prior to 1950.



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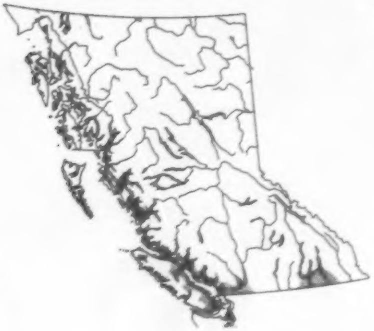
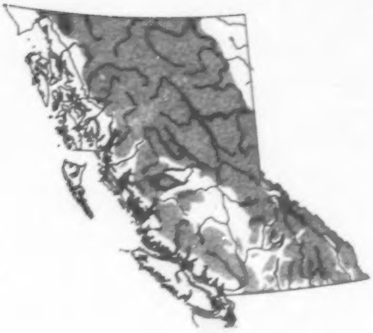
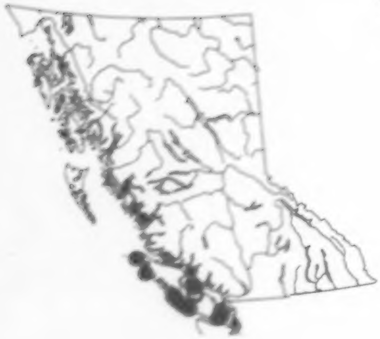


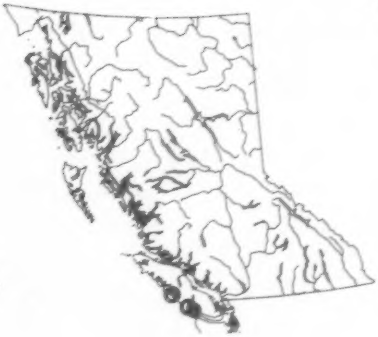
Abies grandis



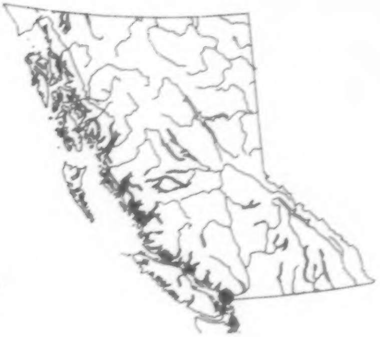
Abies lasiocarpa
var. *lasiocarpa*



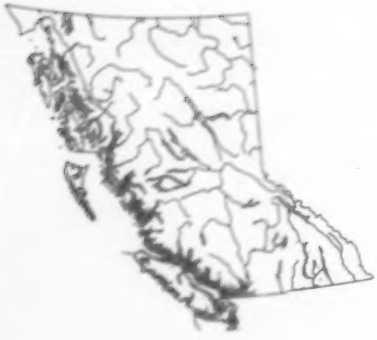
Abronia latifolia



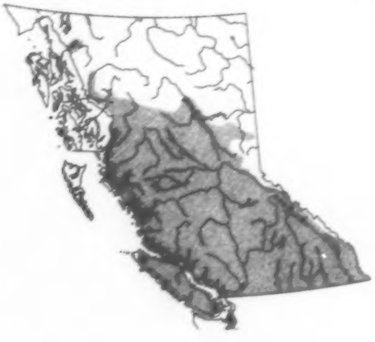
Abronia umbellata
ssp. *acutulata*



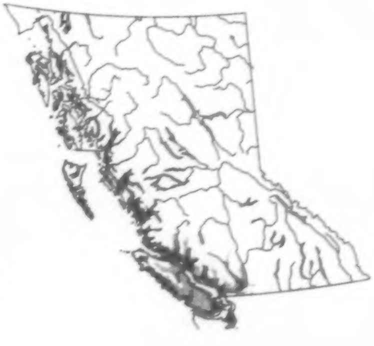
Abutilon theophrasti



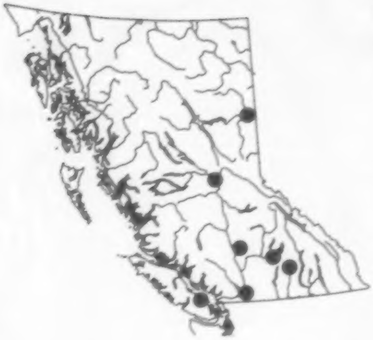
Acer circinatum



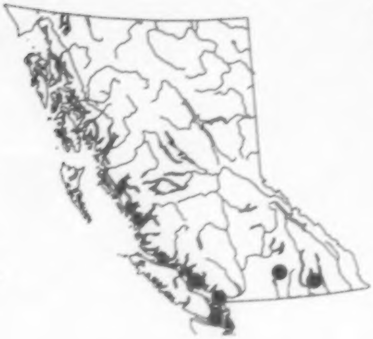
Acer glabrum var. *douglasii*



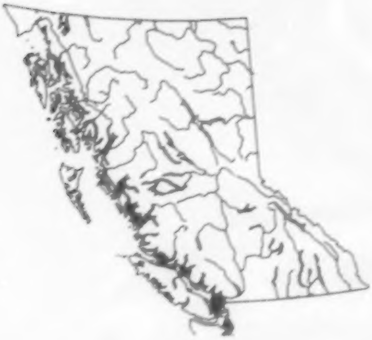
Acer macrophyllum



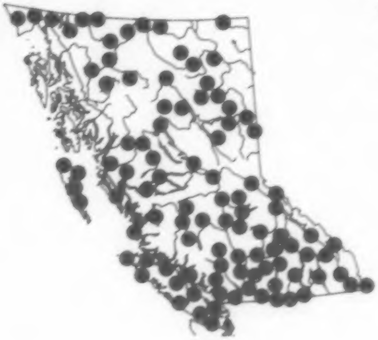
Acer negundo



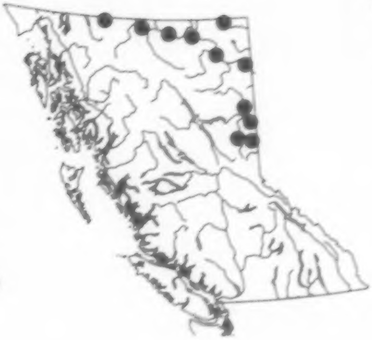
Acer platanoides



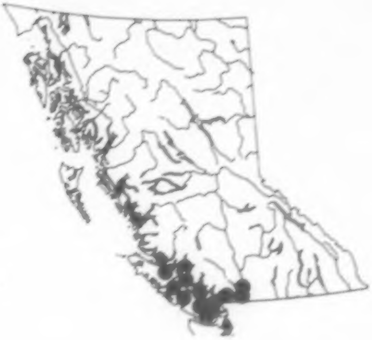
Acer pseudoplatanus



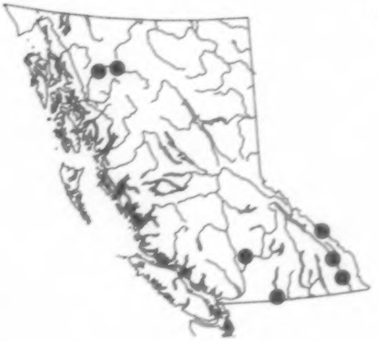
Achillea millefolium
sensu lato



Achillea sibirica



Achlys triphylla



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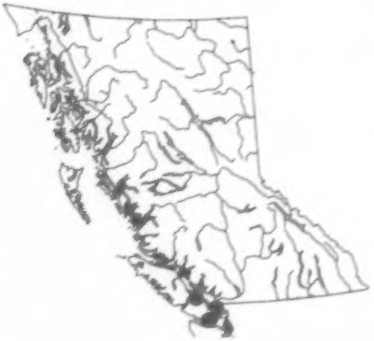
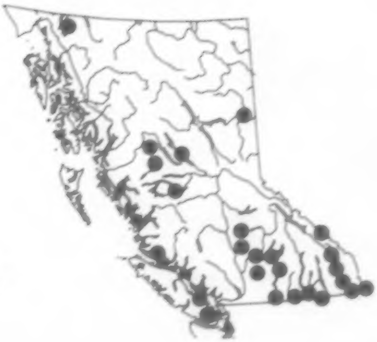
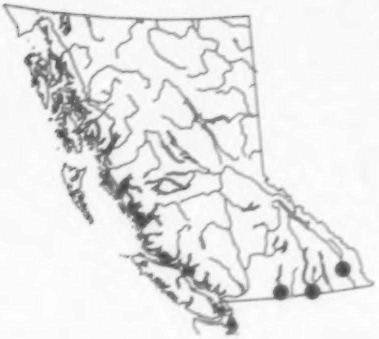


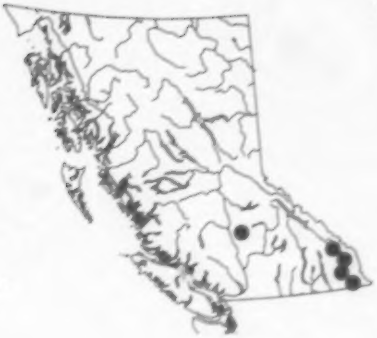
Achnatherum lemmonii
var. *lemmonii*



Achnatherum nelsonii
ssp. *dorei*



Achnatherum occidentale ssp. *pubescens*



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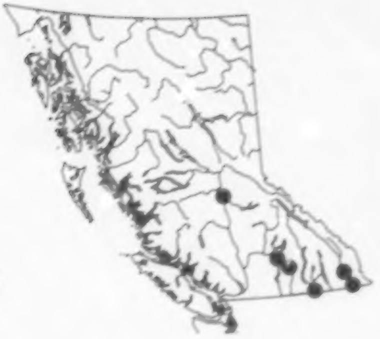
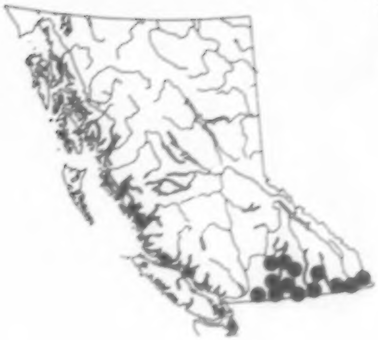
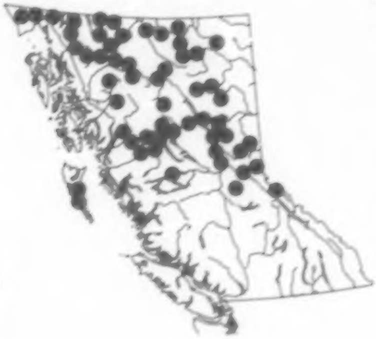


Acinos arvensis



Aconitum columbianum ssp. *columbianum*



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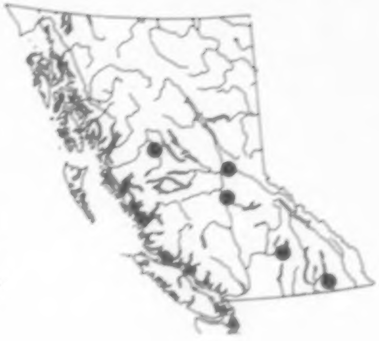
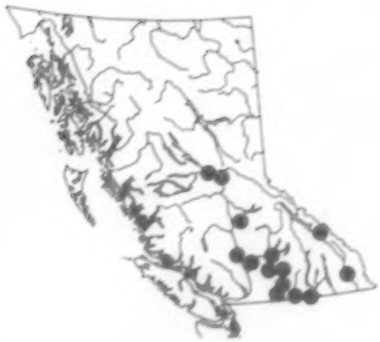
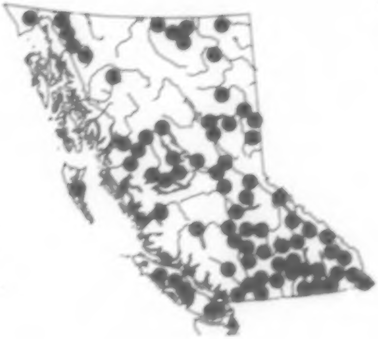


Acorus americanus



Acroptilon repens



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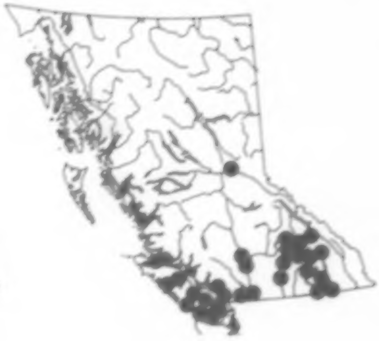
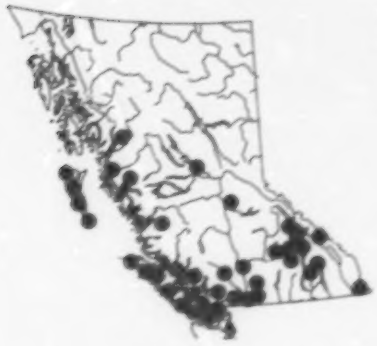


Adenocaulon bicolor



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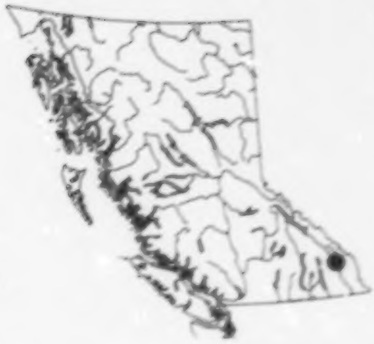
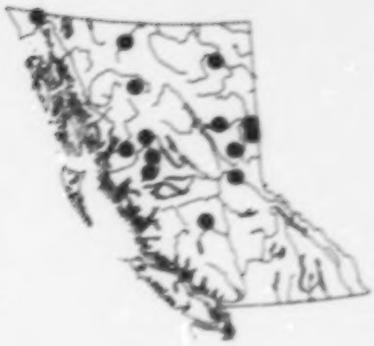
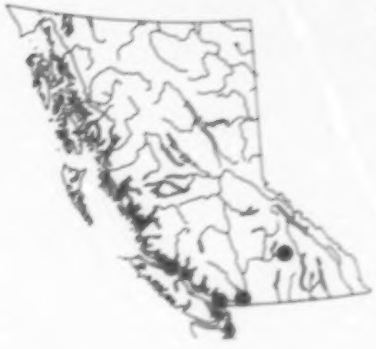


Adiantum capillus-veneris



Adoxa moschatellina



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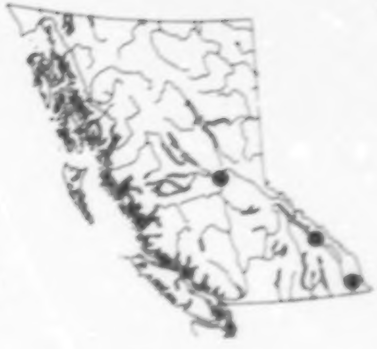

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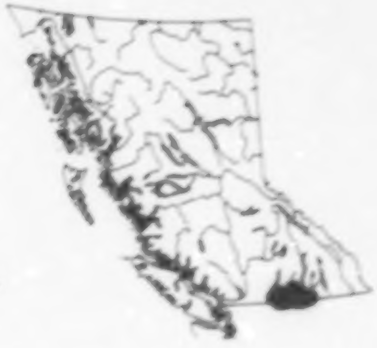

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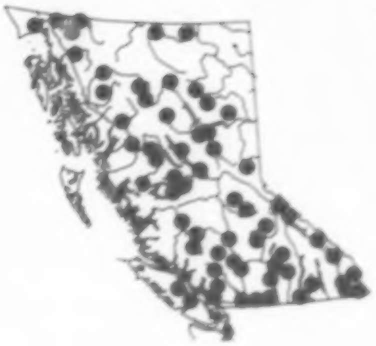
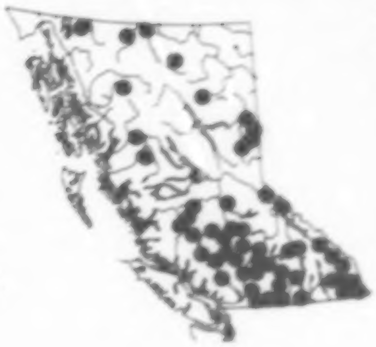
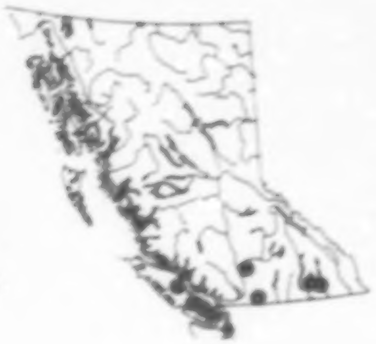


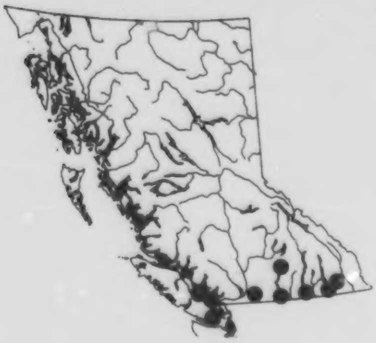
Agoseris aurantiaca
ssp. *aurantiaca*



Agoseris glauca
var. *dasycephala*



Agoseris grandiflora



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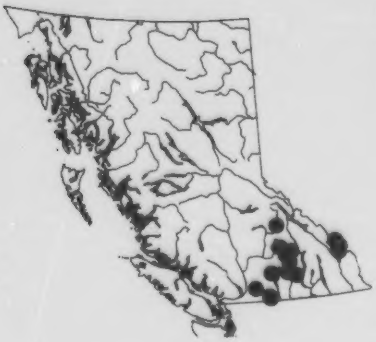
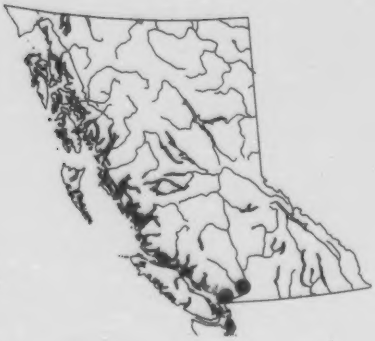


Agoseris lackschewitzii



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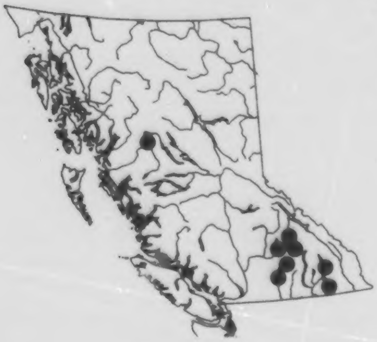
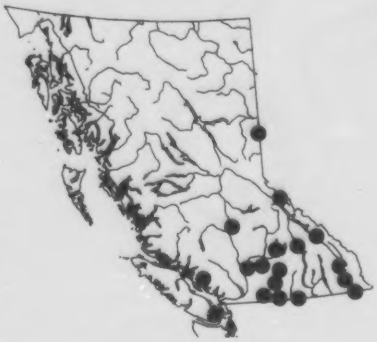
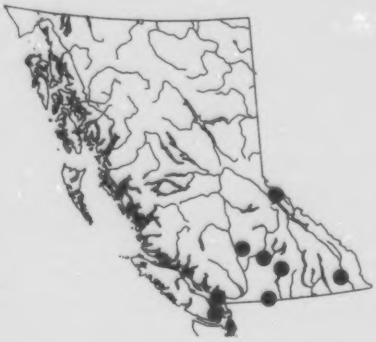


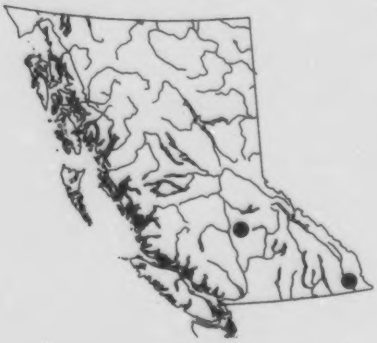
Agrimonia striata



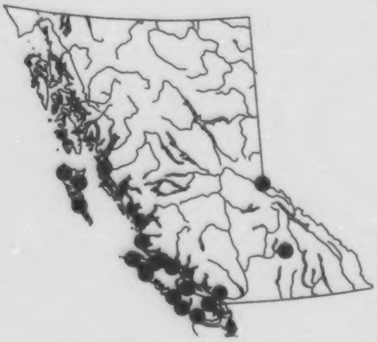
Agropyron cristatum ssp. *pectinatum*



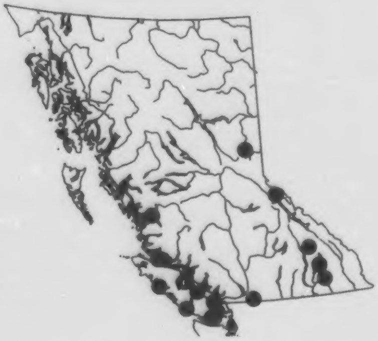
Agropyron desertorum



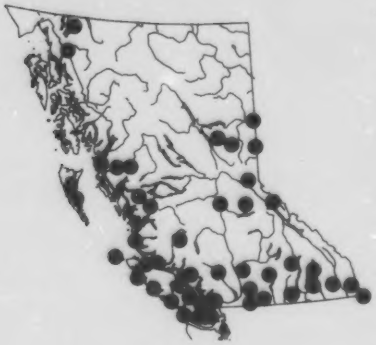
Agropyron fragile



Agrostis aequivalvis



Agrostis capillaris



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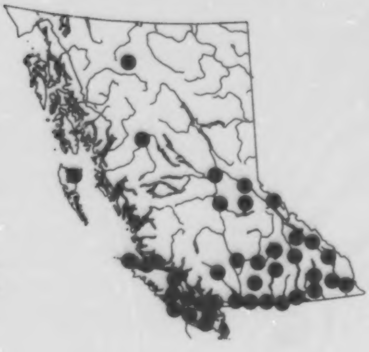
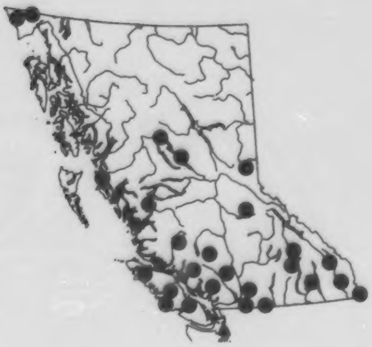


Agrostis gigantea



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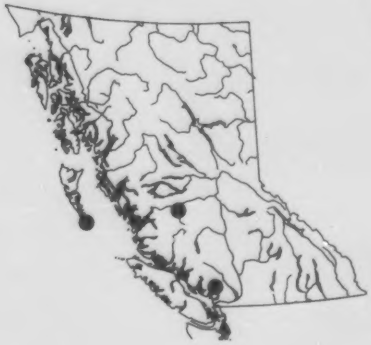

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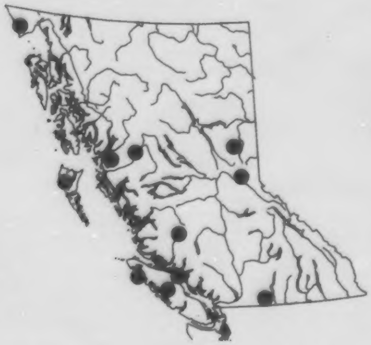

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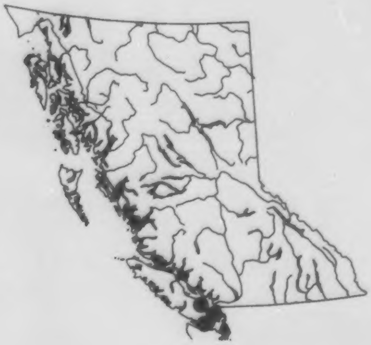

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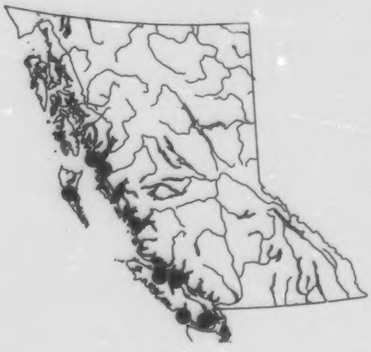

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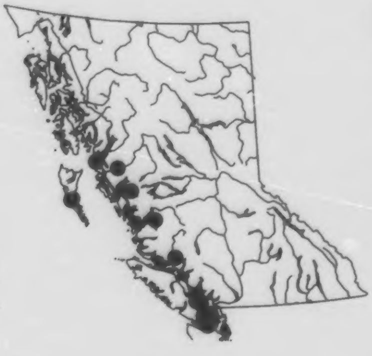
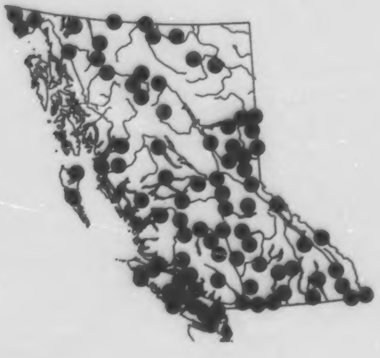


Agrostis pallens



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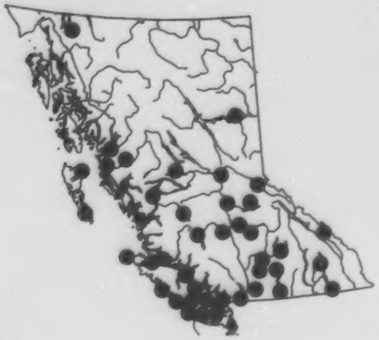

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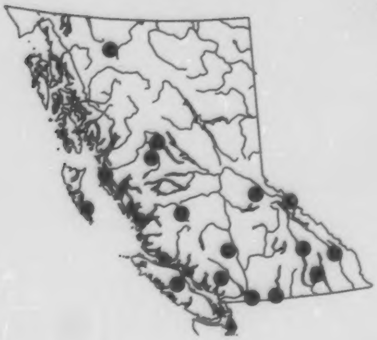

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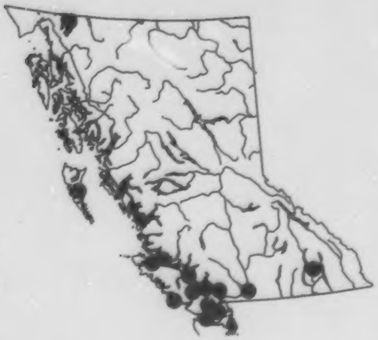
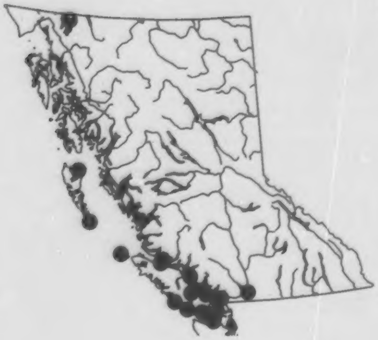


Aira caryophyllea



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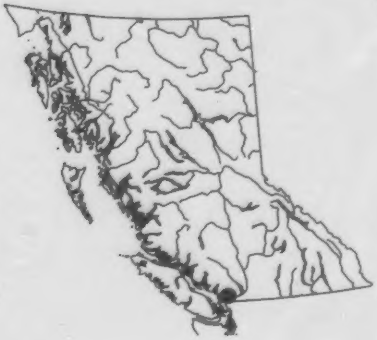
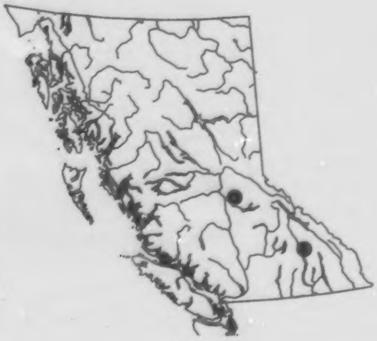
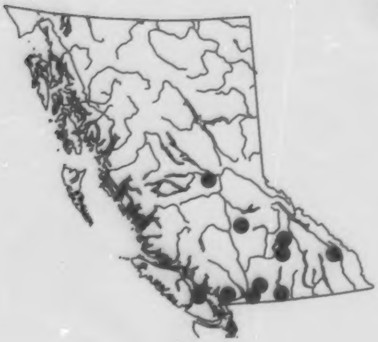


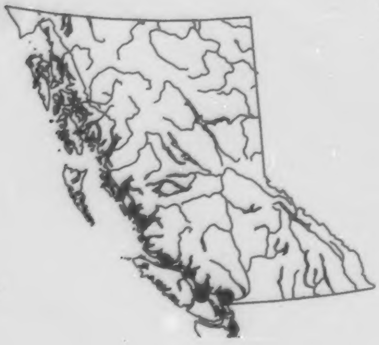
Ajuga reptans



Alchemilla subcrenata



Alisma gramineum



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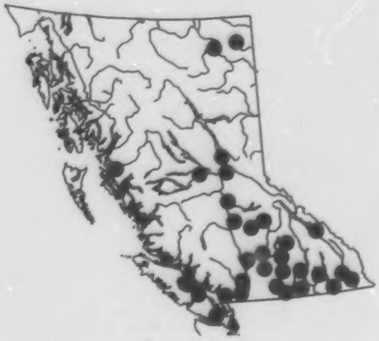

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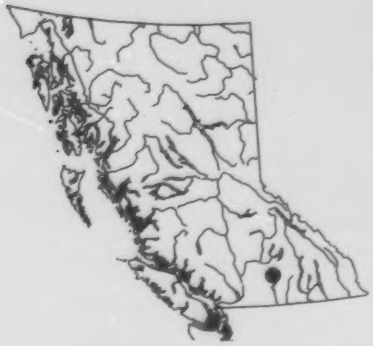
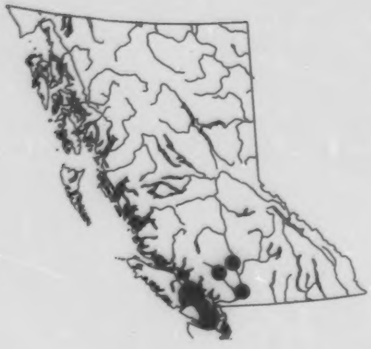
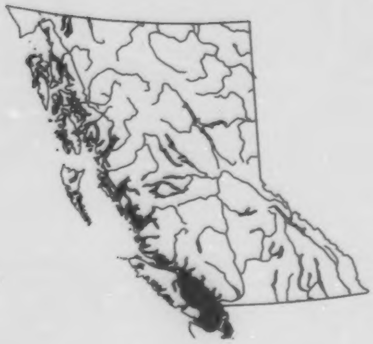


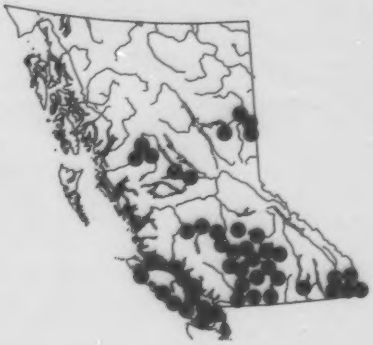
Alliaria petiolata



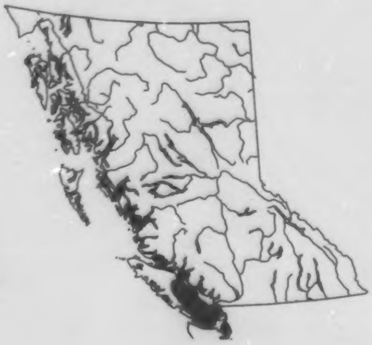
Allium acuminatum



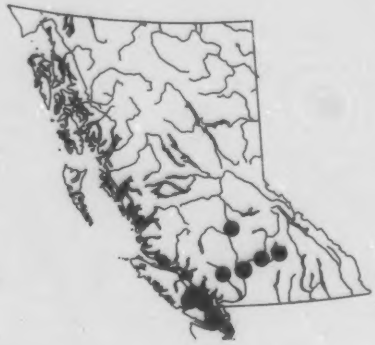
Allium amplectens



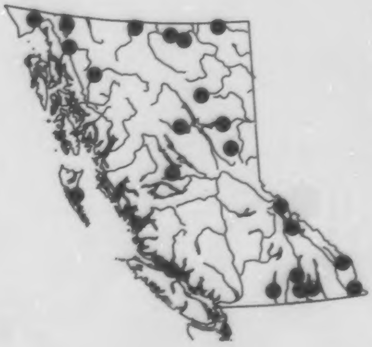
Allium cernuum var. *cernuum*



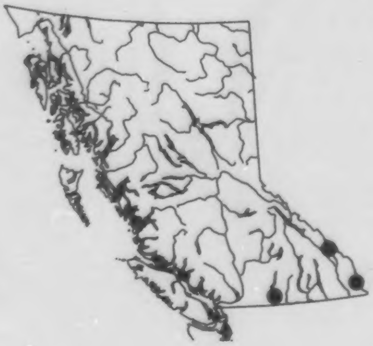
Allium crenulatum



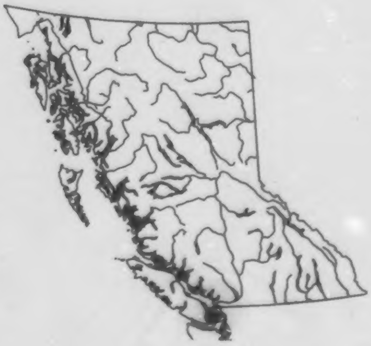
Allium geyeri var. *tenerum*



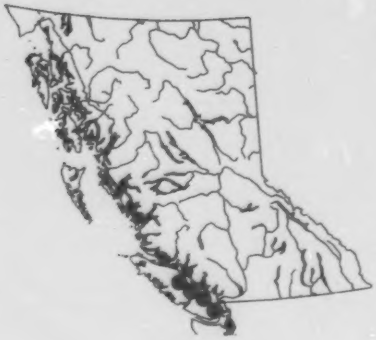
Allium schoenoprasum
var. *sibiricum*



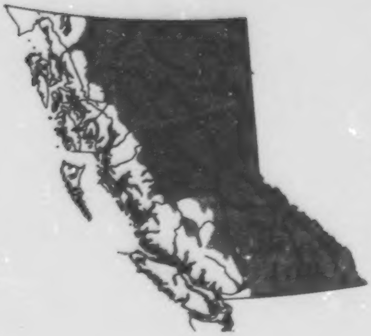
Allium validum



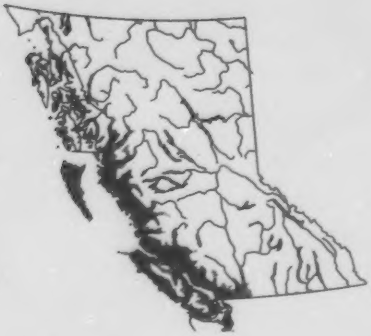
Allium vineale ssp. *vineale*



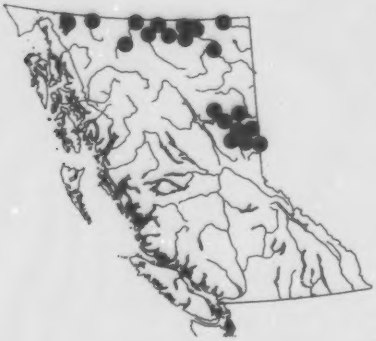
Allotropa virgata



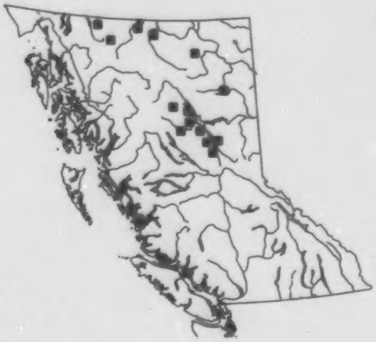
Alnus incana* ssp. *tenuifolia



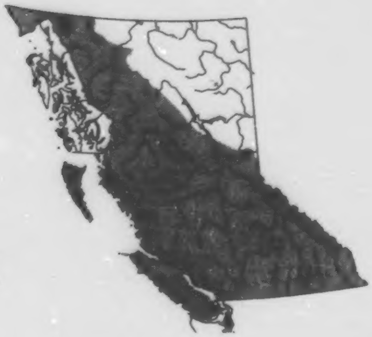
Alnus rubra



Alnus viridis* ssp. *crispa



Alnus viridis* ssp. *crispa x
ssp. *sinuata*



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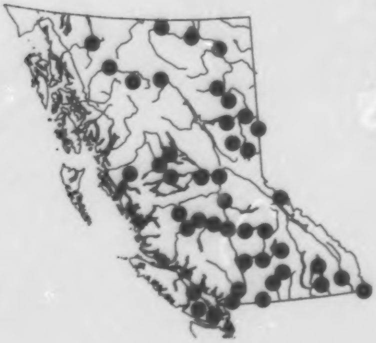
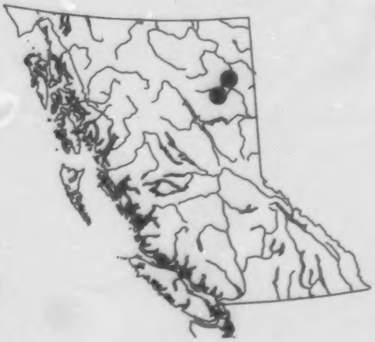
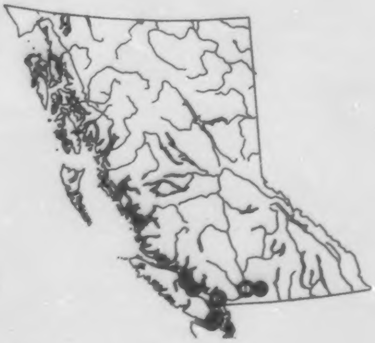


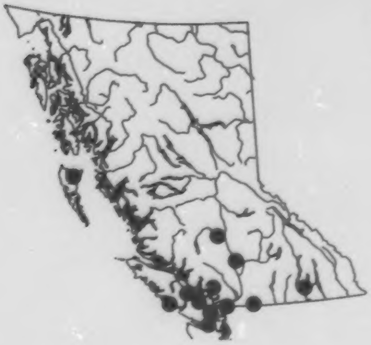
Alopecurus aequalis



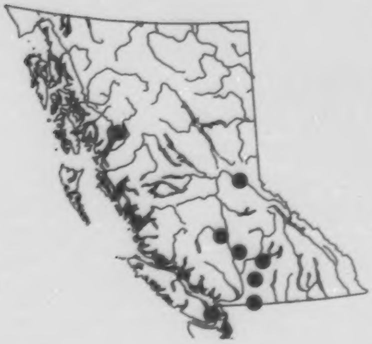
Alopecurus alpinus



Alopecurus carolinianus



Alopecurus geniculatus



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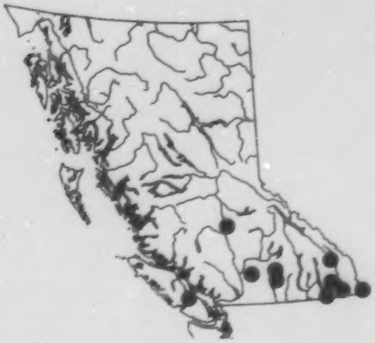
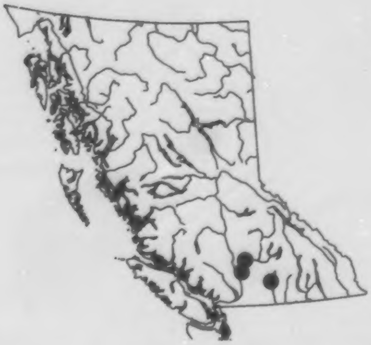
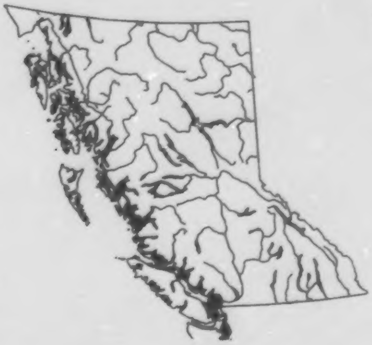


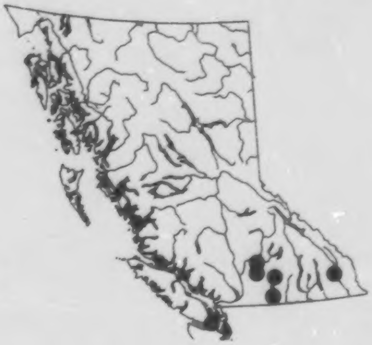
Alyssum alyssoides



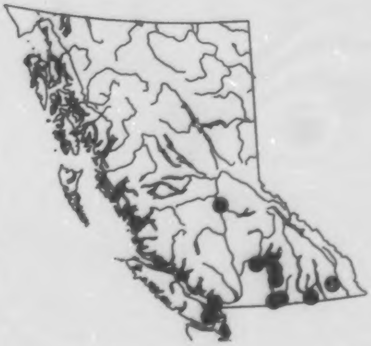
Alyssum desertorum



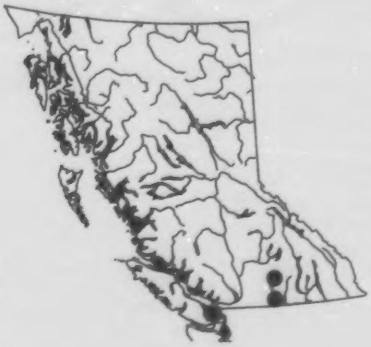
Alyssum murale



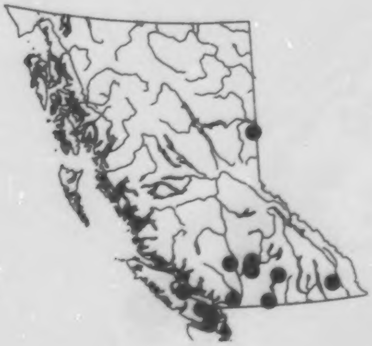
Amaranthus albus



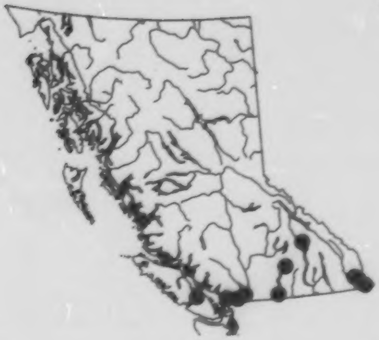
Amaranthus blitoides



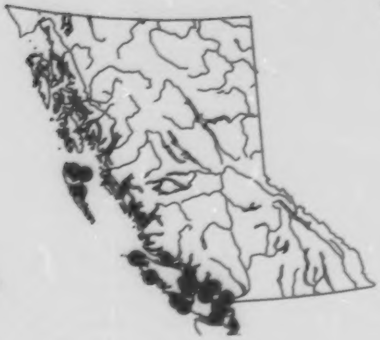
Amaranthus powellii



Amaranthus retroflexus



Ambrosia artemisiifolia



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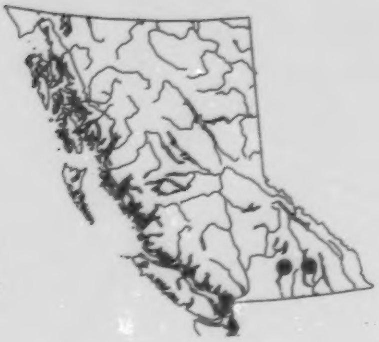
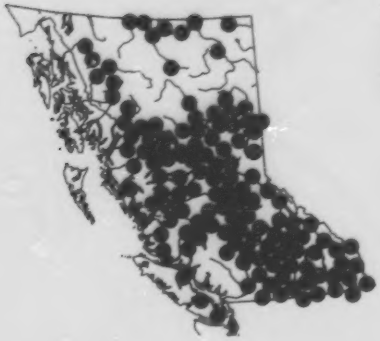
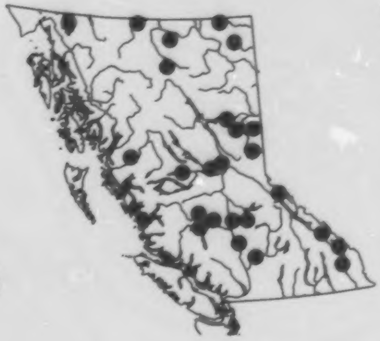


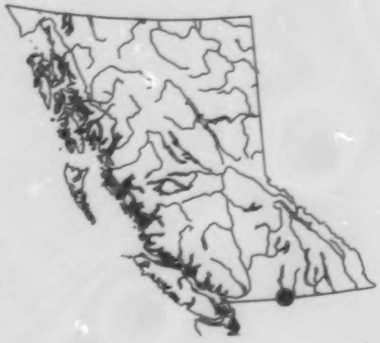
Ambrosia psilostachya



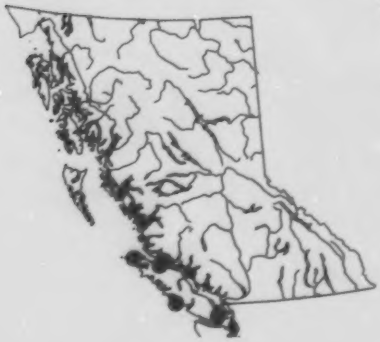
Amelanchier alnifolia sensu lato



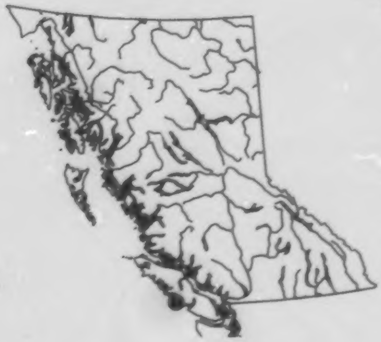
Amerorchis rotundifolia



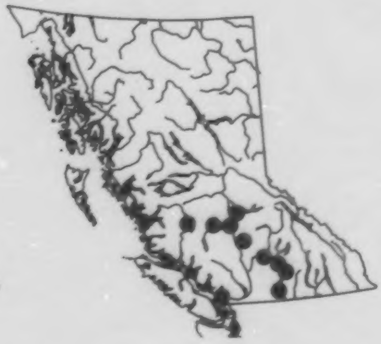
Ammannia robusta



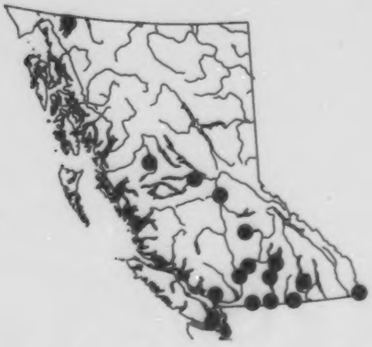
Ammophila arenaria



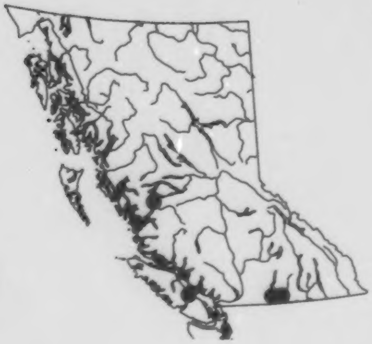
Ammophila breviligulata



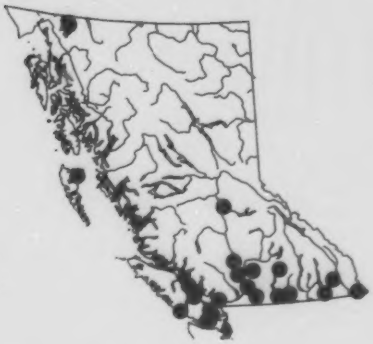
Amphiscirpus nevadensis



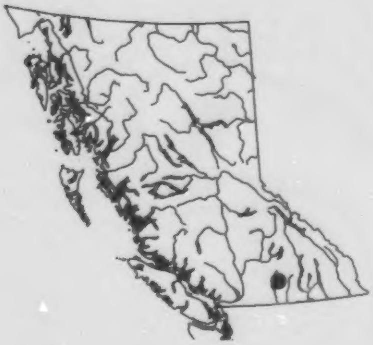
Amsinckia intermedia



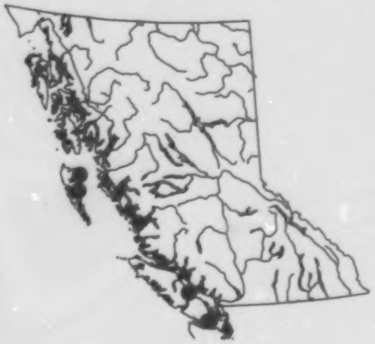
Amsinckia lycopsoides



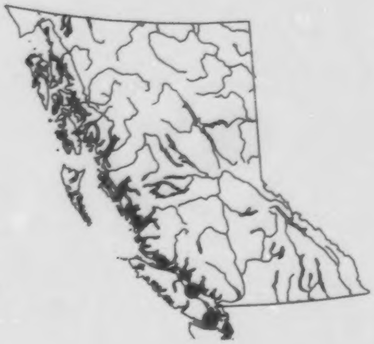
Amsinckia menziesii



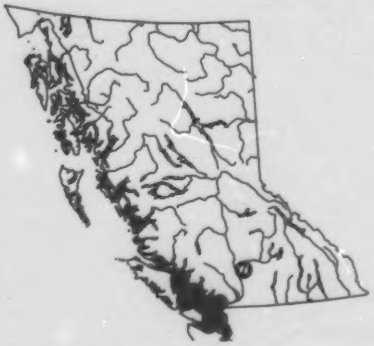
Amsinckia retrorsa



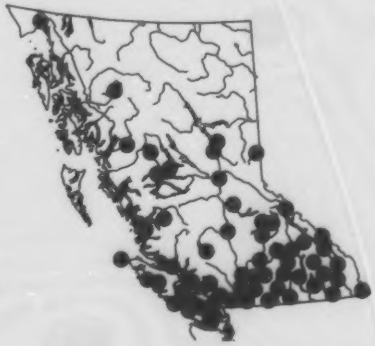
Amsinckia spectabilis



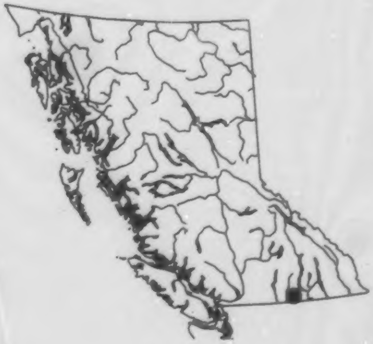
Anagallis arvensis
ssp. *arvensis*



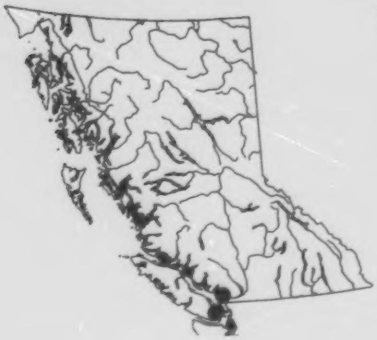
Anagallis minima



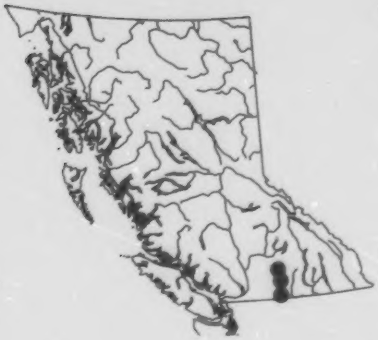
Anaphalis margaritacea



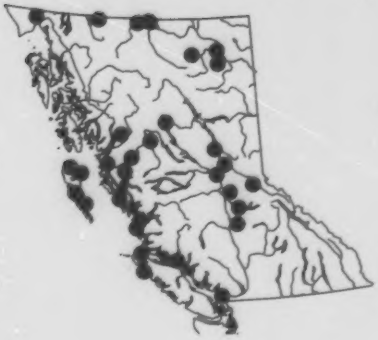
Anchusa arvensis



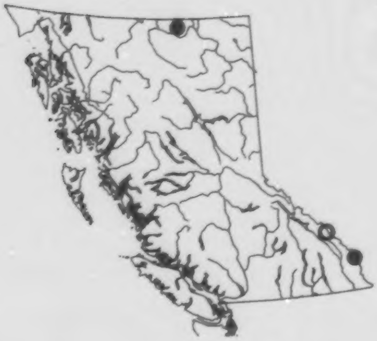
Anchusa azurea



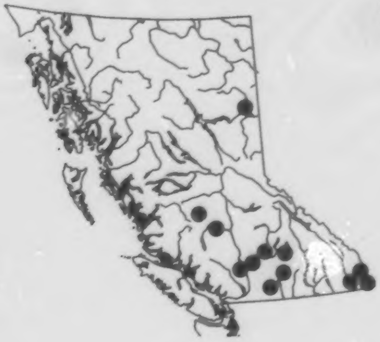
Anchusa officinalis



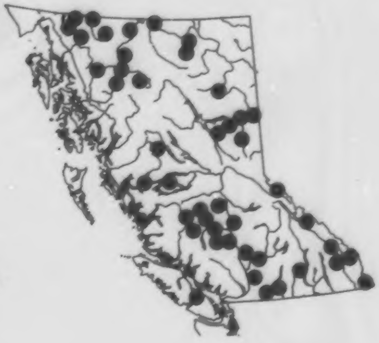
Andromeda polifolia



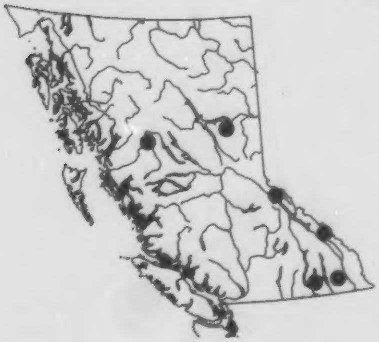
Androsace chamaejasme
ssp. lehmanniana



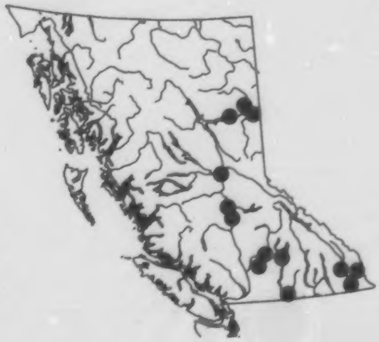
Androsace occidentalis



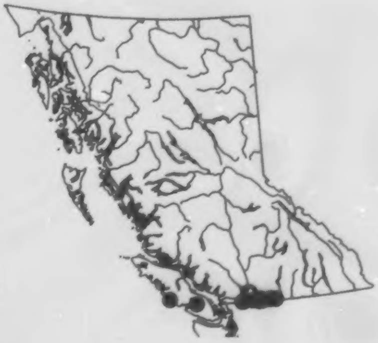
Androsace septentrionalis



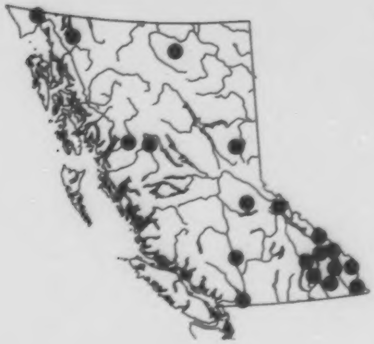
Anemone canadensis



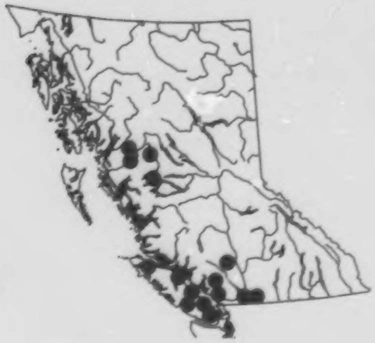
Anemone cylindrica



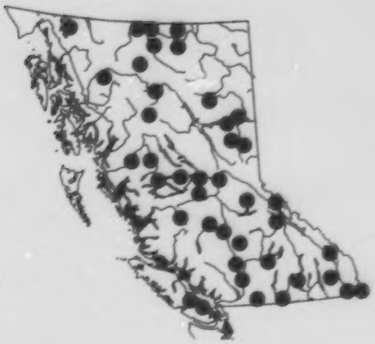
Anemone drummondii
var. drummondii



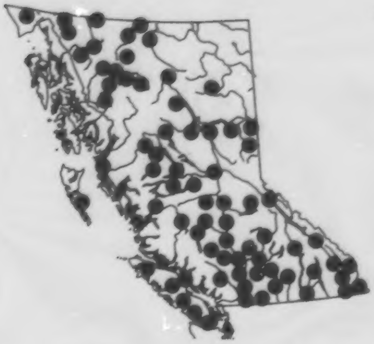
Anemone drummondii
var. *lithophila*



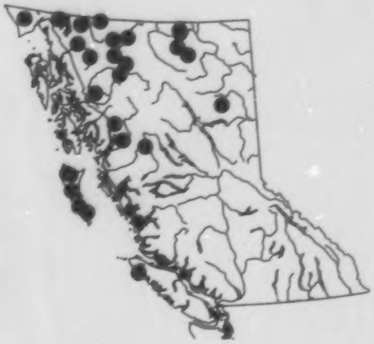
Anemone lyallii



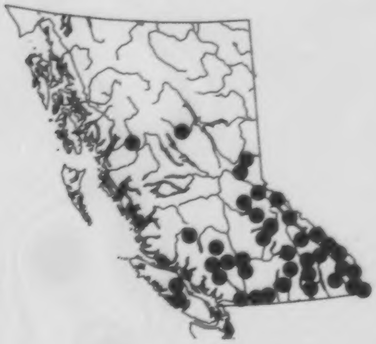
Anemone multifida
var. *multifida*



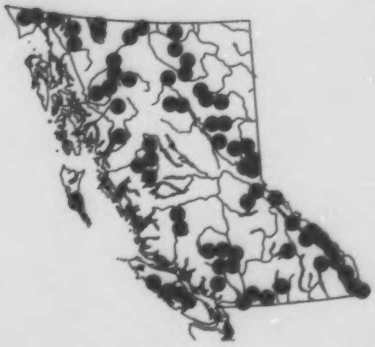
Anemone multifida
var. *saxicola*



Anemone narcissiflora
var. *monantha*



Anemone occidentalis



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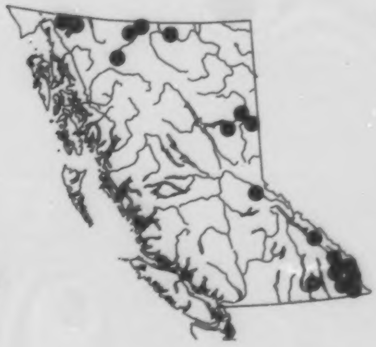
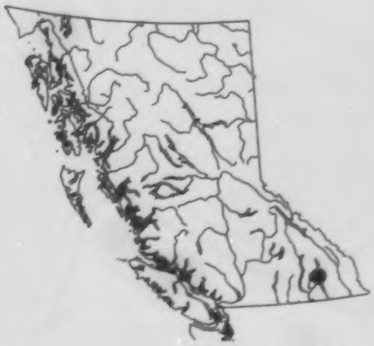


Anemone patens
ssp. *multifida*



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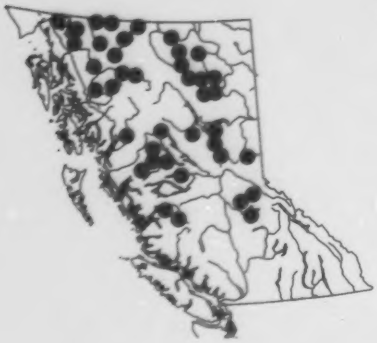
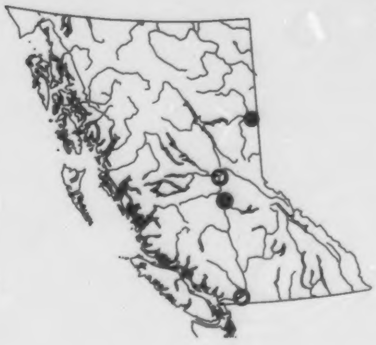
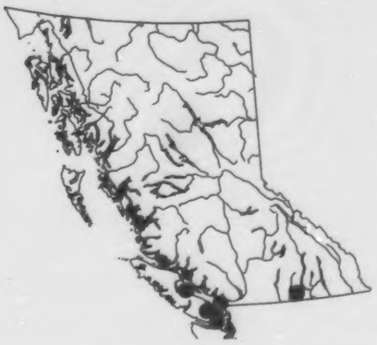


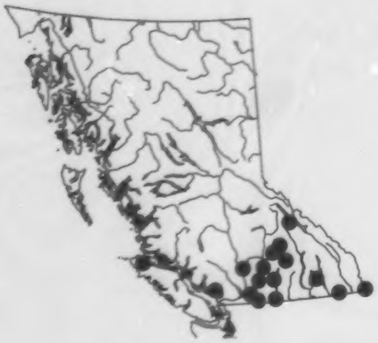
Anemone richardsonii



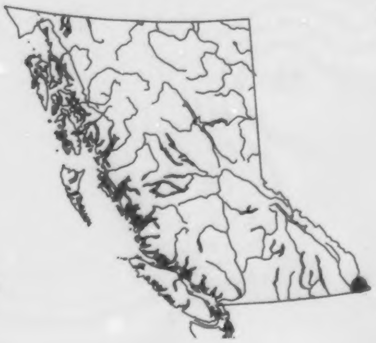
Anemone virginiana
var. *cylindroidea*



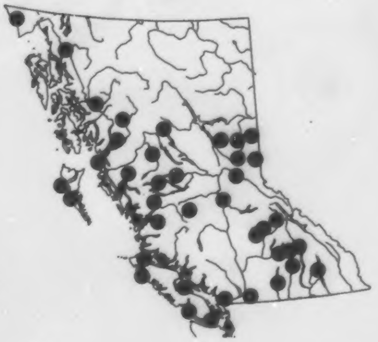
Anethum graveolens



Angelica arguta



Angelica dawsonii



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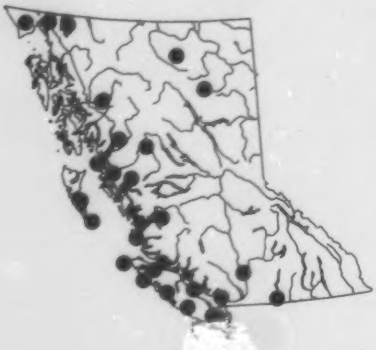
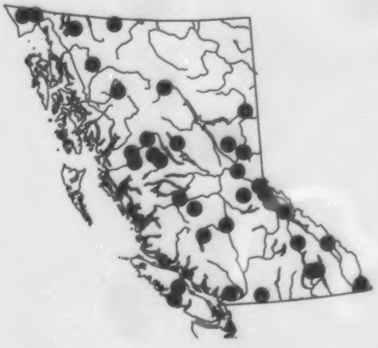
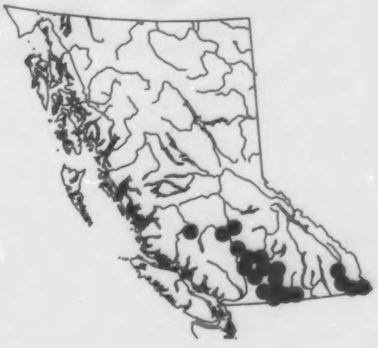


Angelica lucida



Antennaria alpina



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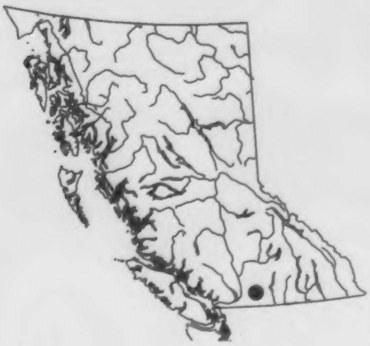
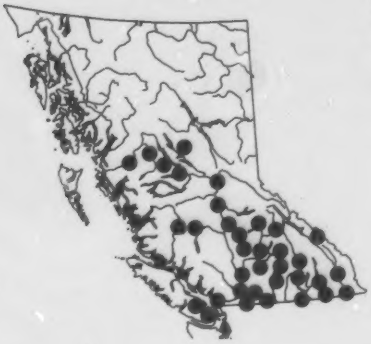
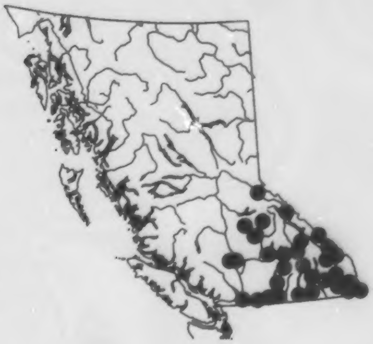


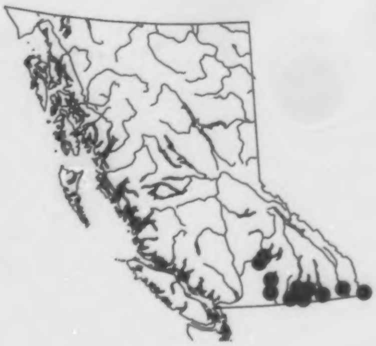
Antennaria flagellaris



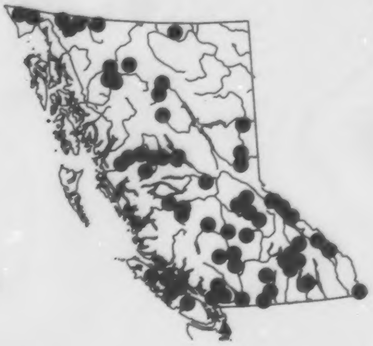
Antennaria howellii sensu lato



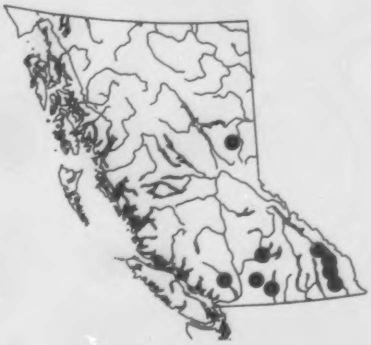
Antennaria lanata



Antennaria luzuloides
ssp. luzuloides



Antennaria media



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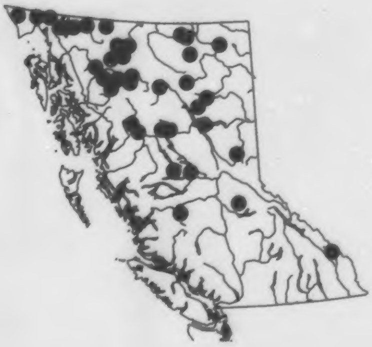
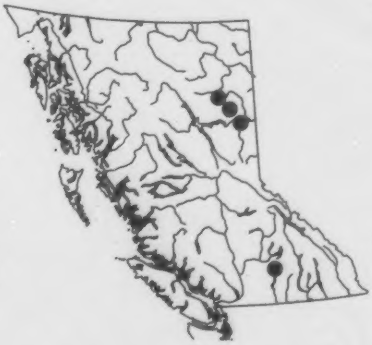
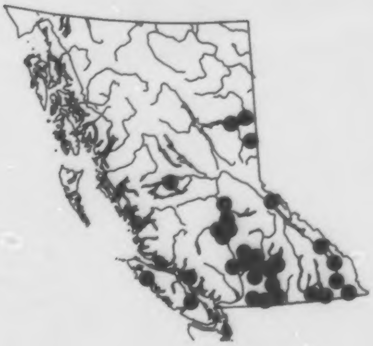


Antennaria monocephala



Antennaria neglecta



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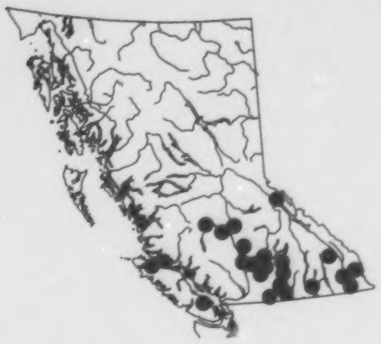
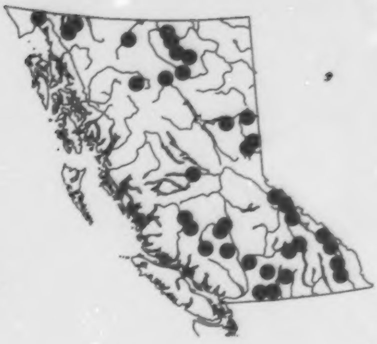
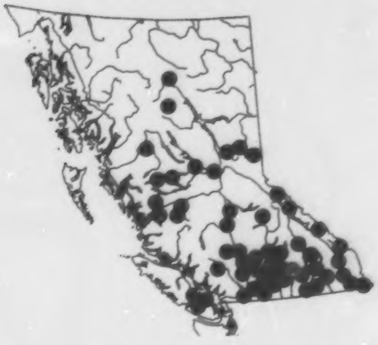


Antennaria pulcherrima var. *anaphaloides*



Antennaria pulcherrima var. *pulcherrima*



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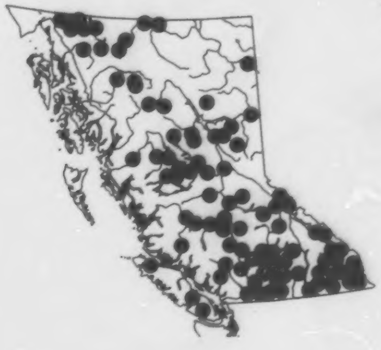

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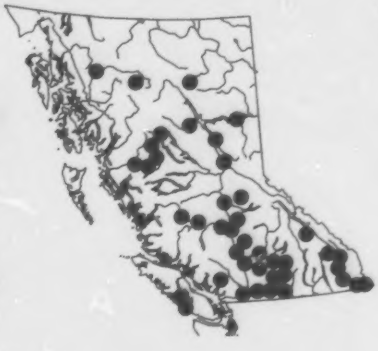

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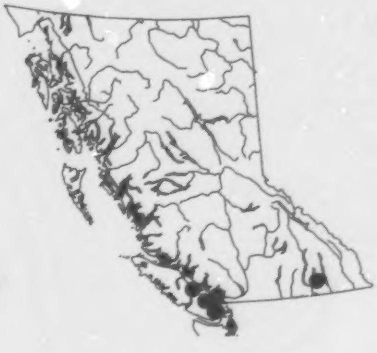
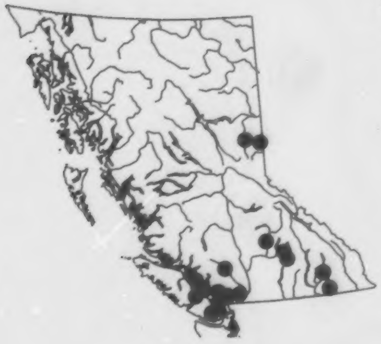


Anthemis arvensis



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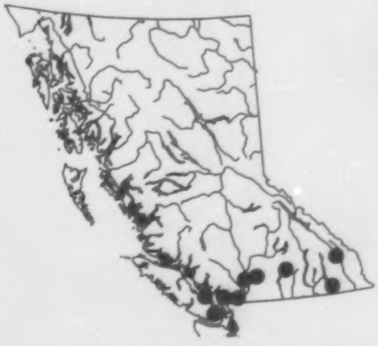

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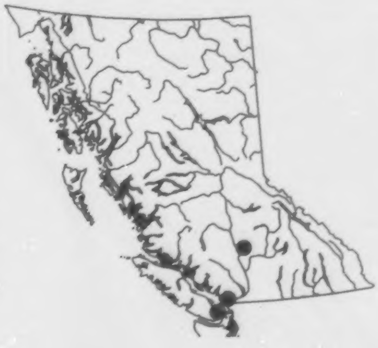
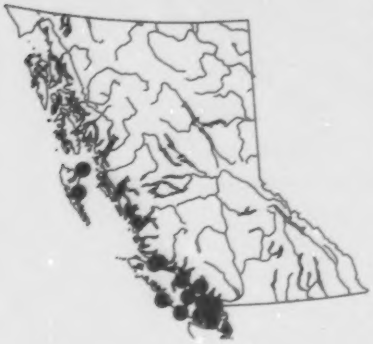


Anthoxanthum aristatum



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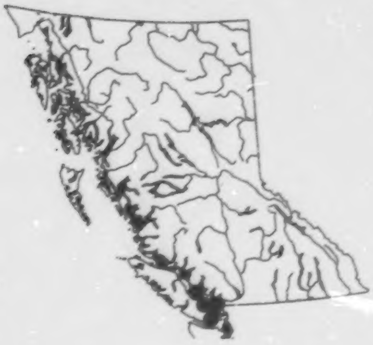
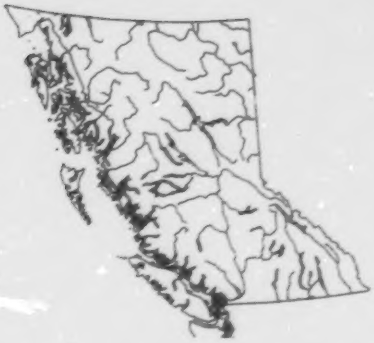


Anthriscus caucalis



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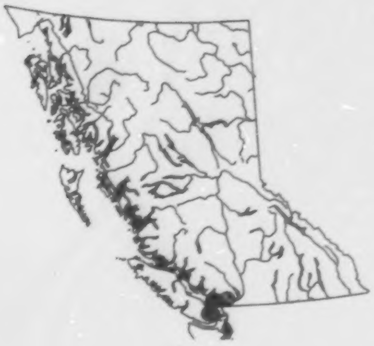

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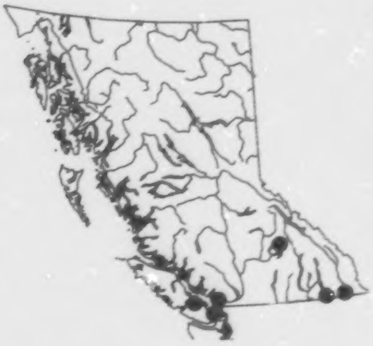
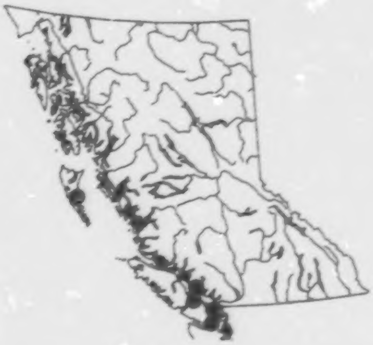
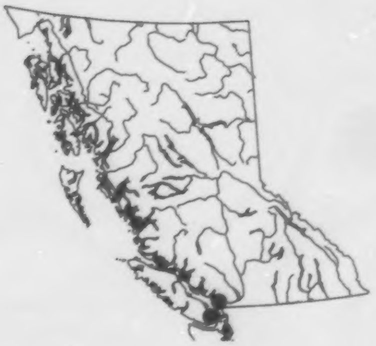


Apera interrupta



Aphanes arvensis



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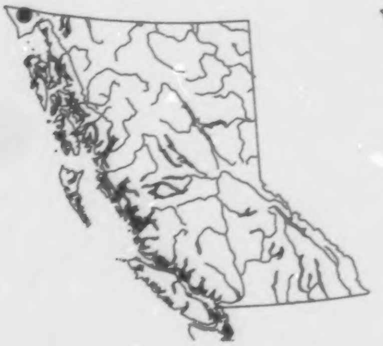

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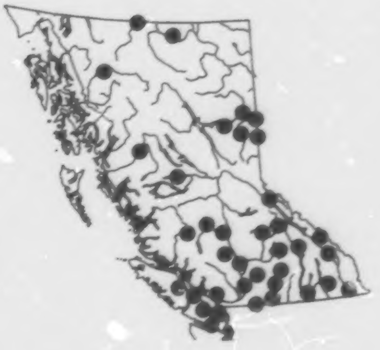
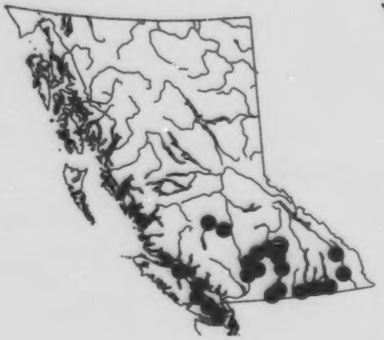
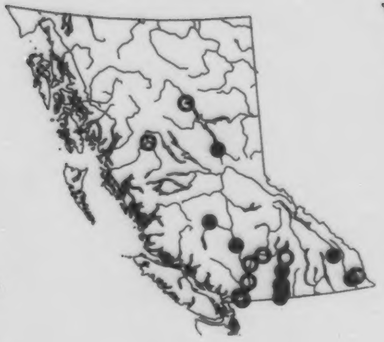


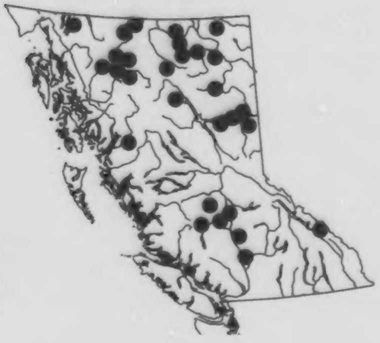
Apocynum androsaemifolium
sensu lato



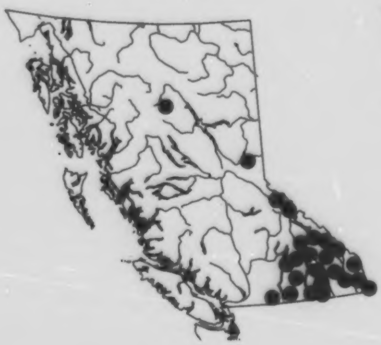
Apocynum cannabinum



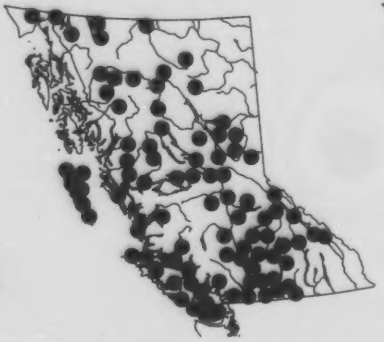
Apocynum x floribundum



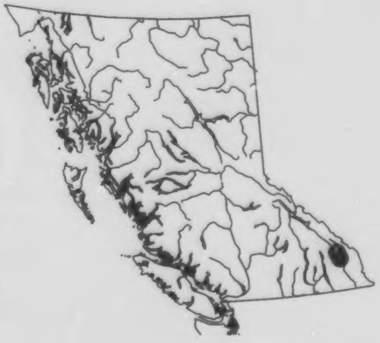
Aquilegia brevistyla



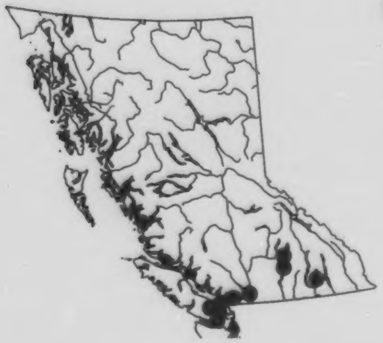
Aquilegia flavescens



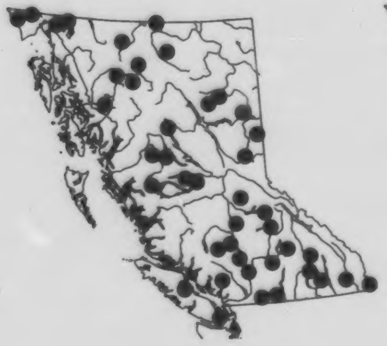
Aquilegia formosa ssp. *formosa*



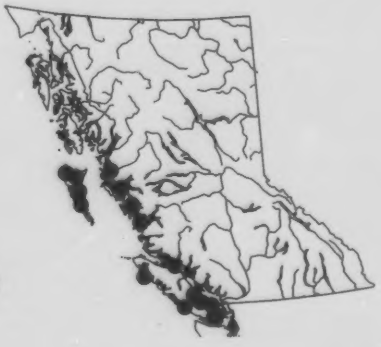
Arabidopsis salsuginea



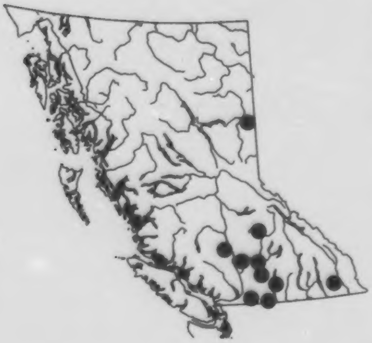
Arabidopsis thaliana



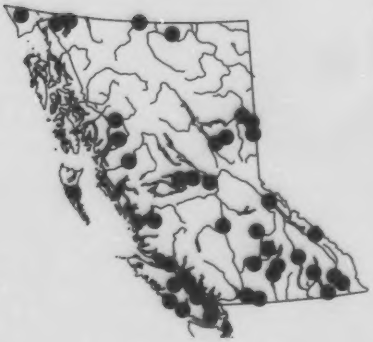
Arabis drummondii



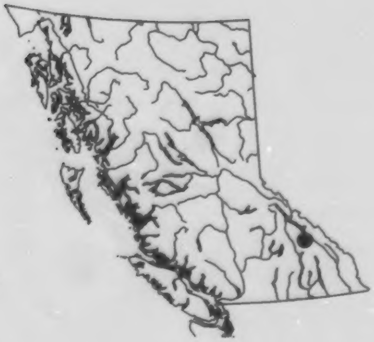
Arabis eschscholtziana



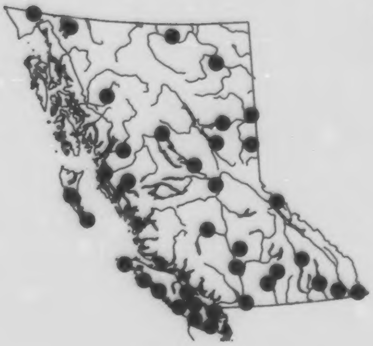
Arabis exilis



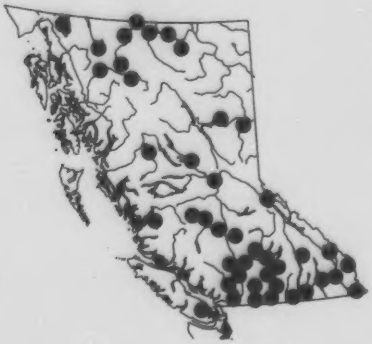
Arabis glabra var. *glabra*



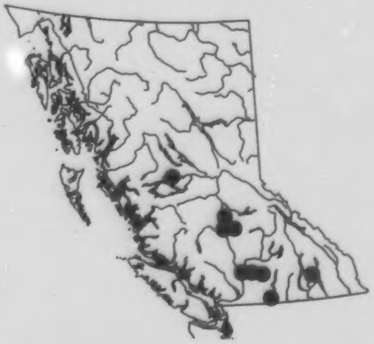
Arabis hirsuta var. *hirsuta*



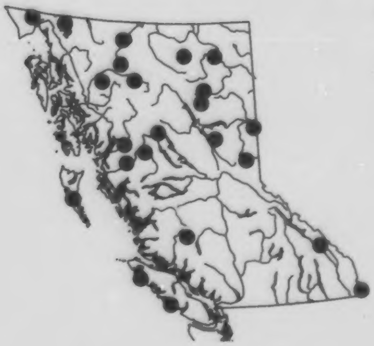
Arabis hirsuta var. *pycnocarpa*



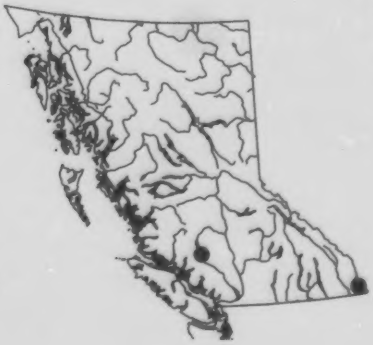
Arabis holboellii var. *consanguinea*, var. *secunda and* var. *retrofracta*



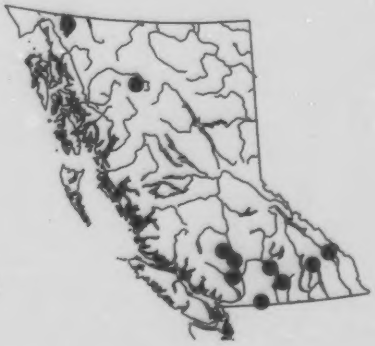
Arabis holboellii var. *pinetorum*



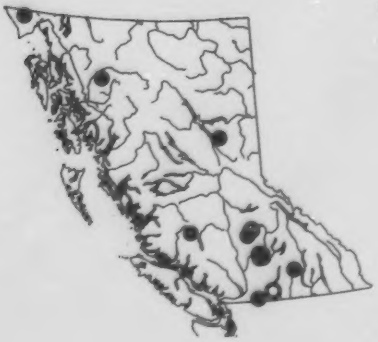
Arabis kamchatica



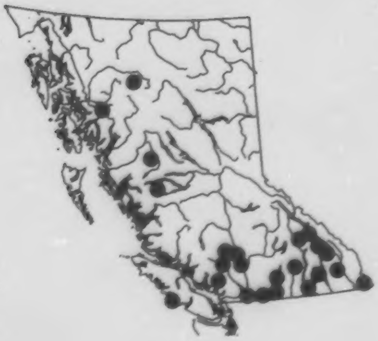
Arabis lemmonii var. *drepanoloba*



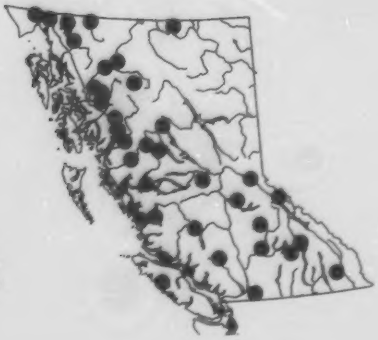
Arabis lemmonii var. *lemmonii*



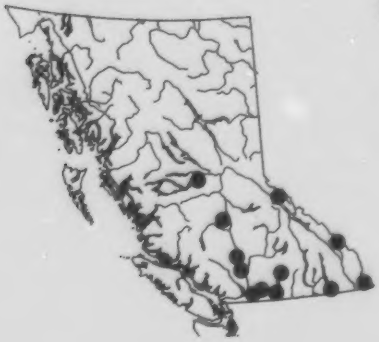
Arabis lignifera



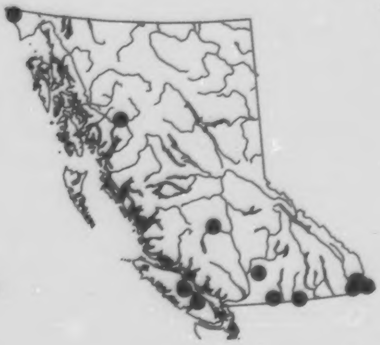
Arabis lyallii var. lyallii



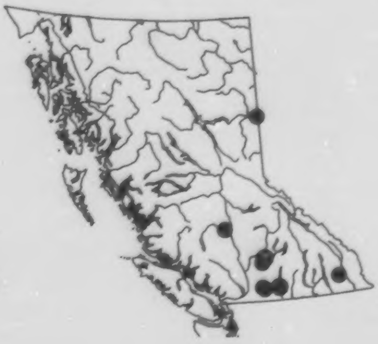
Arabis lyrata



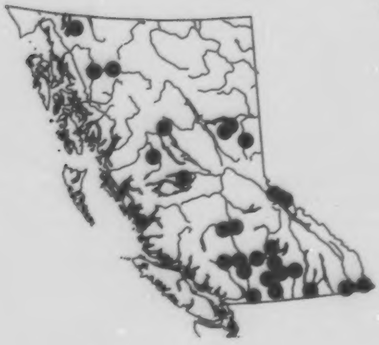
Arabis microphylla



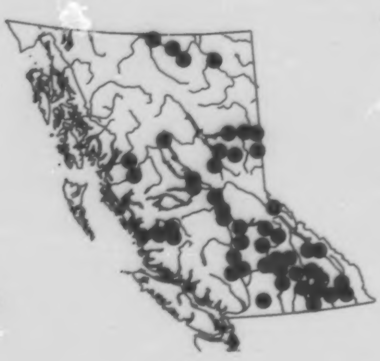
Arabis nuttallii



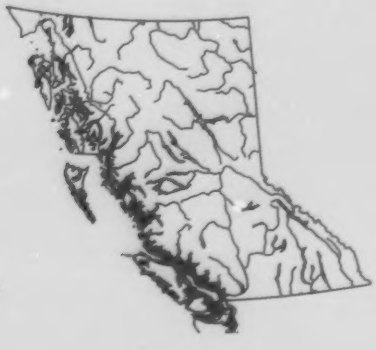
Arabis sparsiflora



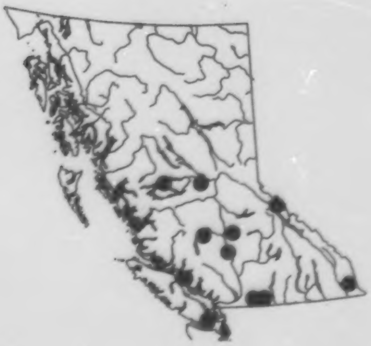
Arabis x divaricarpa



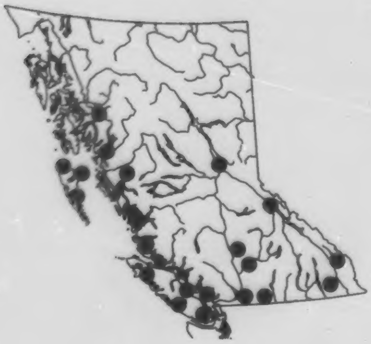
Aralia nudicaulis



Arbutus menziesii



Arceuthobium americanum



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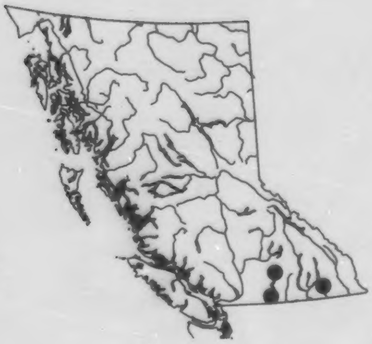
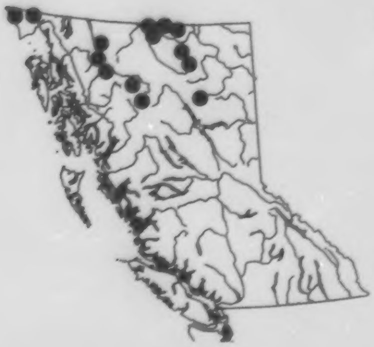
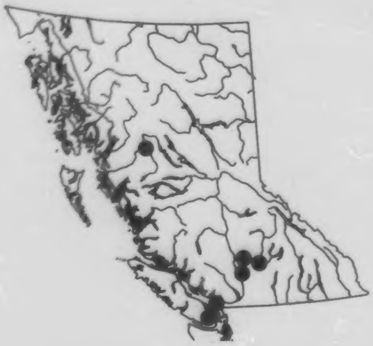


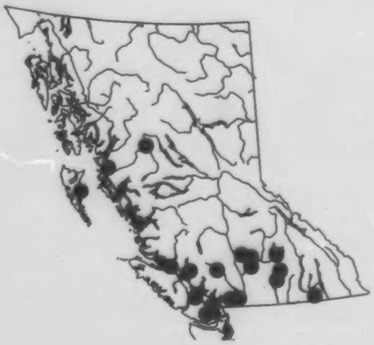
Arceuthobium douglasii



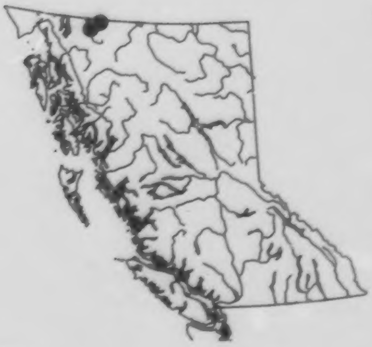
Arctagrostis latifolia ssp. *arundinacea*



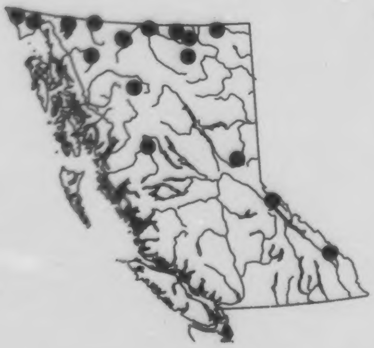
Arctium lappa



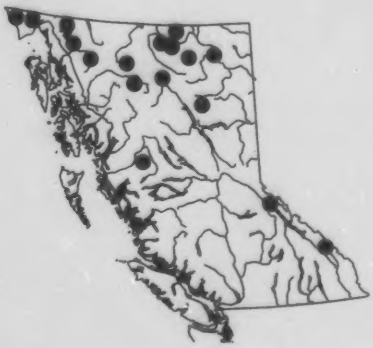
Arctium minus



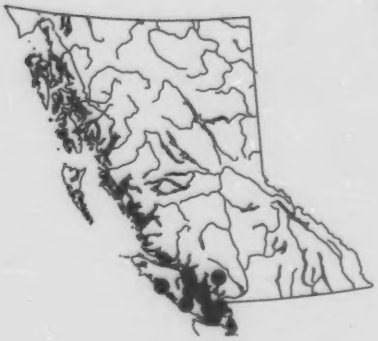
Arctophila fulva



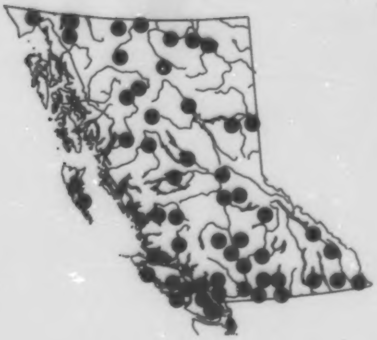
Arctostaphylos alpina var. *alpina*



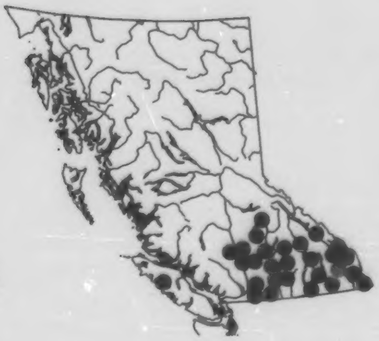
Arctostaphylos alpina var. *rubra*



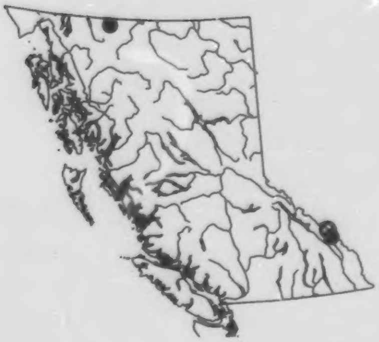
Arctostaphylos columbiana



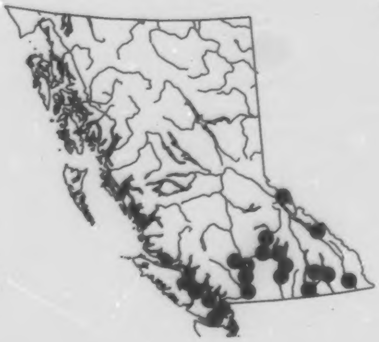
Arctostaphylos uva-ursi



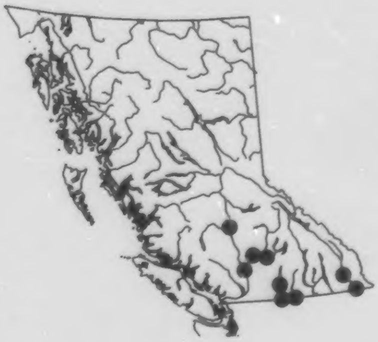
***Arenaria capillaris*
ssp. *americana***



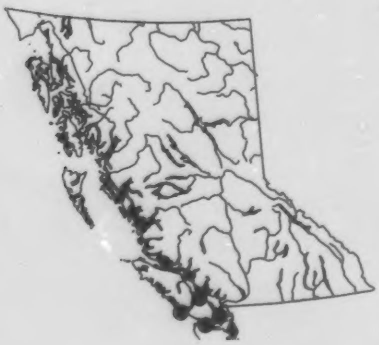
Arenaria longipedunculata



Arenaria serpyllifolia



***Aristida purpurea*
var. *longiseta***



***Armeria maritima*
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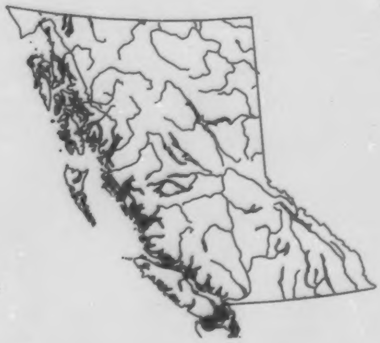

***Armeria maritima*
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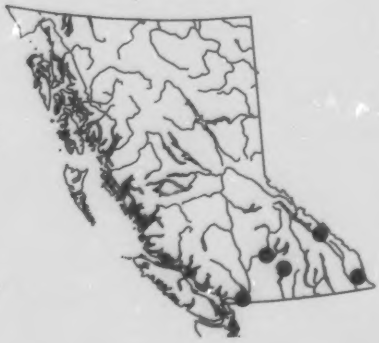
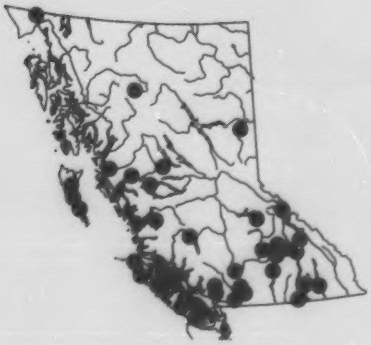


Armoracia rusticana



Arnica amplexicaulis
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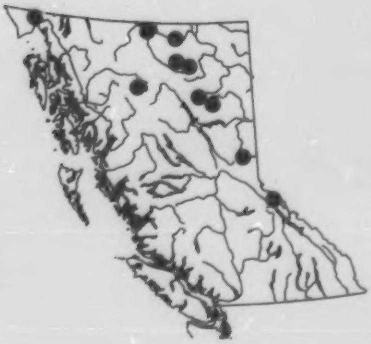

Arnica angustifolia
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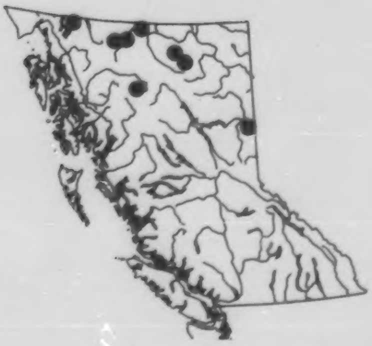

Arnica angustifolia
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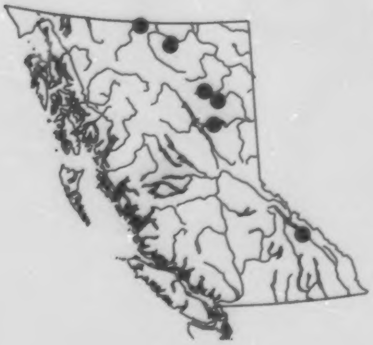

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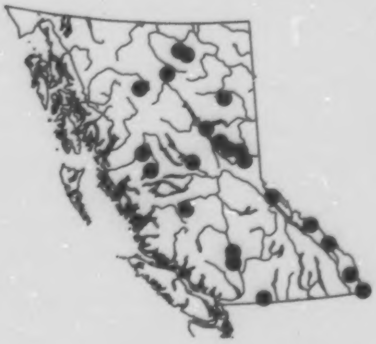
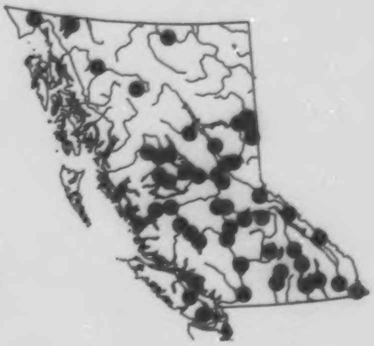
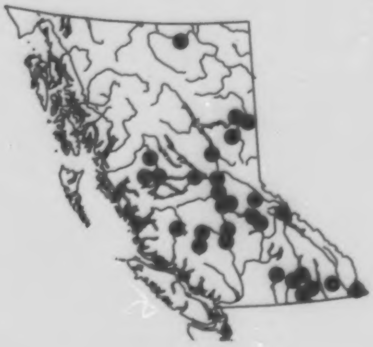


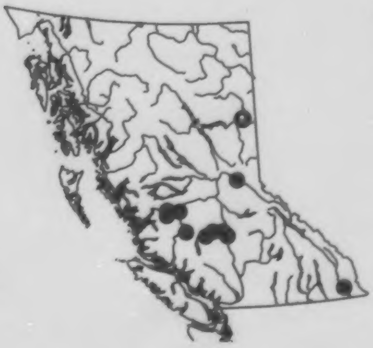
Arnica angustifolia
ssp. *tomentosa*



Arnica chamissonis
ssp. *chamissonis*



Arnica chamissonis
ssp. *foliosa*



Arnica chamissonis
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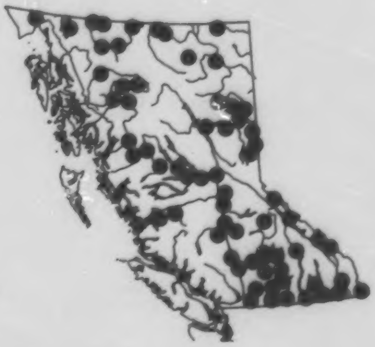
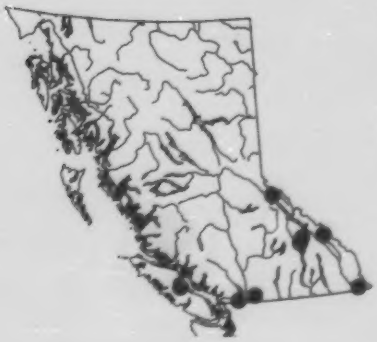
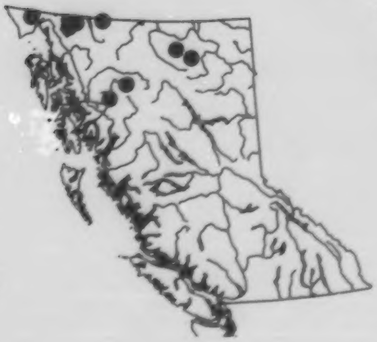


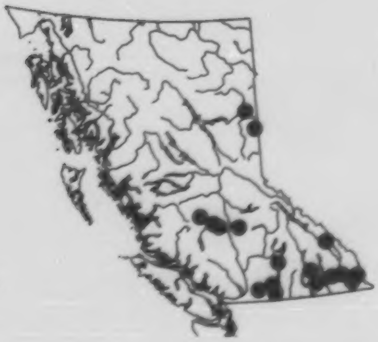
Arnica cordifolia



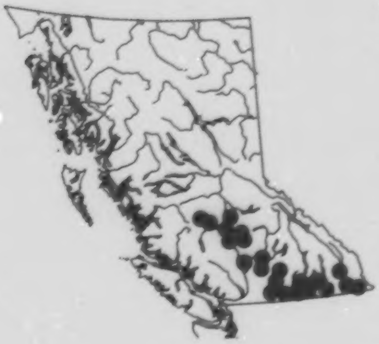
Arnica diversifolia



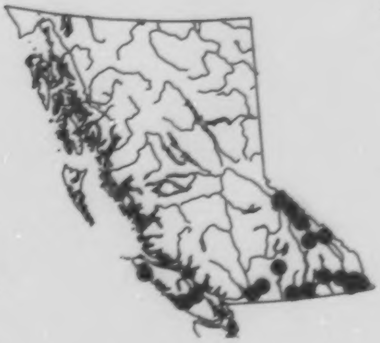
Arnica frigida



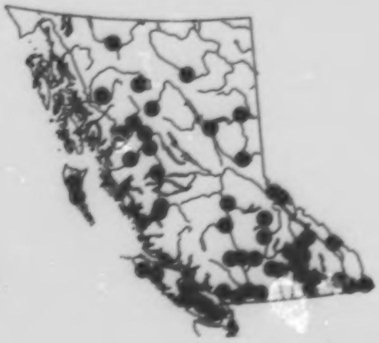
Arnica fulgens var. *fulgens*



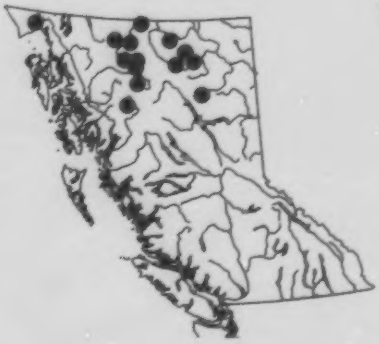
Arnica fulgens var. *sororia*



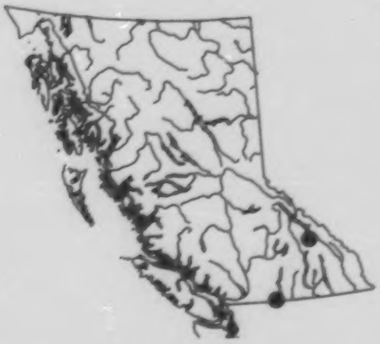
Arnica gracilis



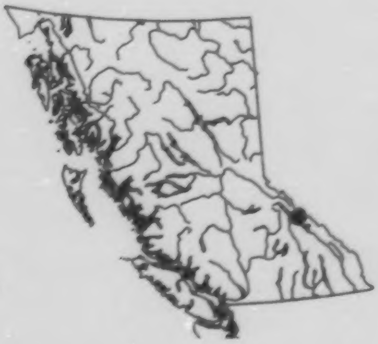
Arnica latifolia



Arnica lessingii



Arnica longifolia



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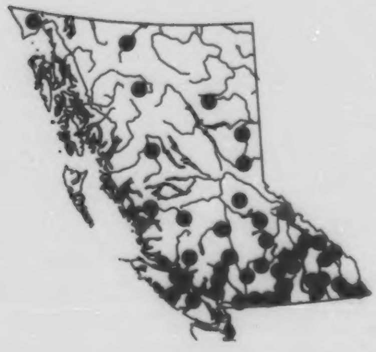
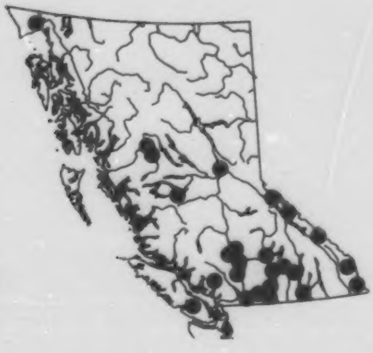
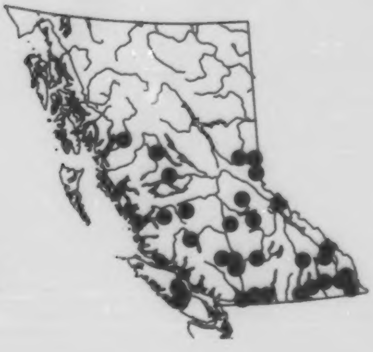


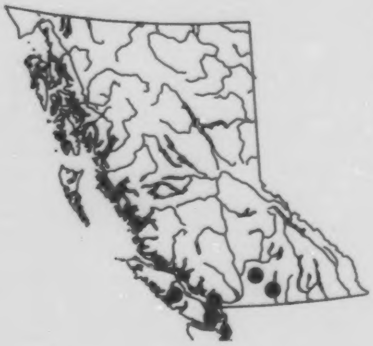
Arnica mollis



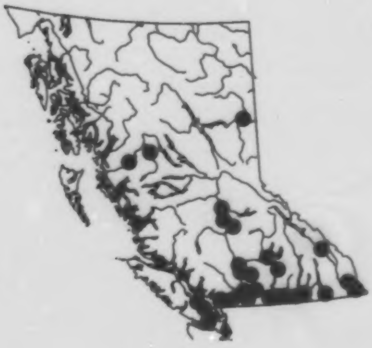
Arnica parryi ssp. *parryi*



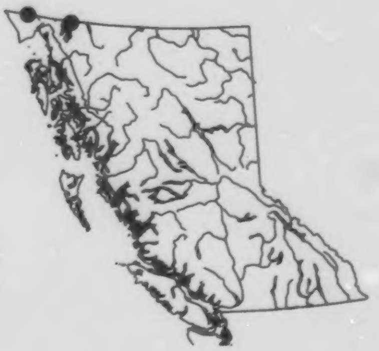
Arnica rydbergii



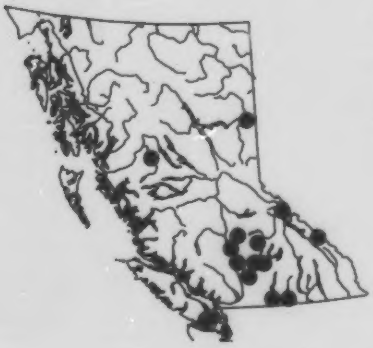
Arrhenatherum elatius



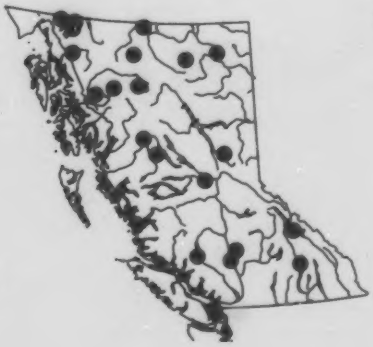
Artemisia absinthium



Artemisia alaskana



Artemisia biennis



Artemisia campestris
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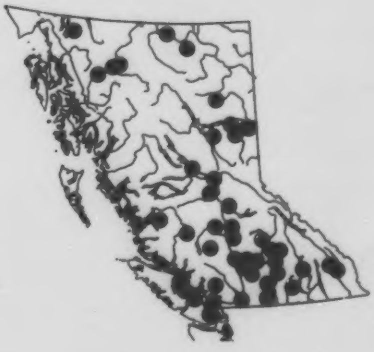

Artemisia campestris
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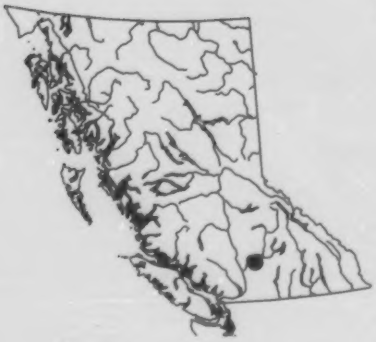
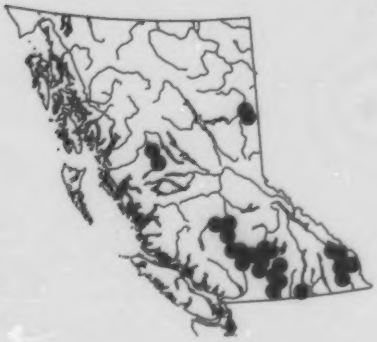
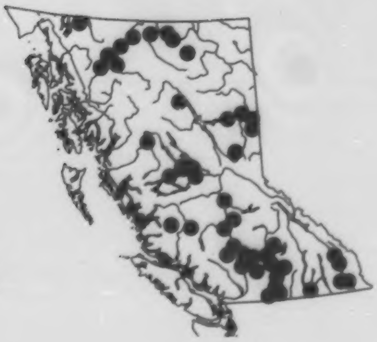


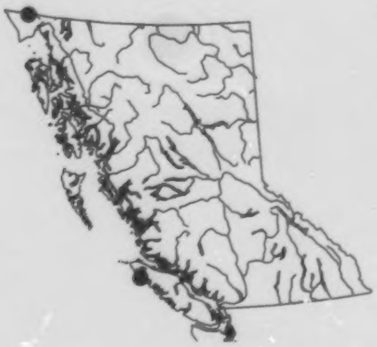
Artemisia cana ssp. *cana*



Artemisia dracunculus



Artemisia frigida



Artemisia furcata
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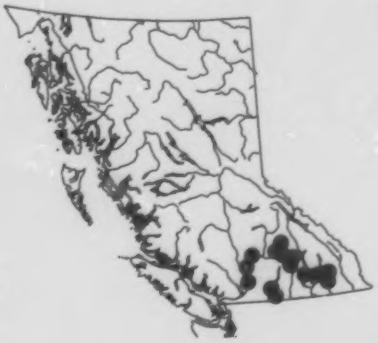
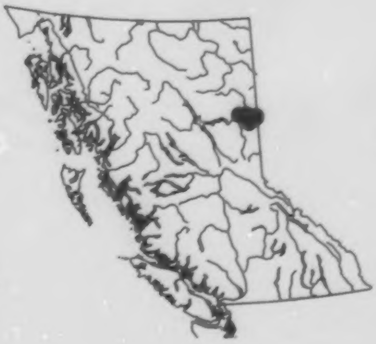
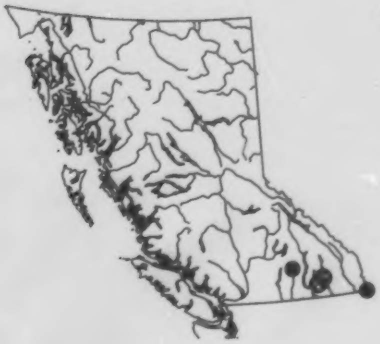


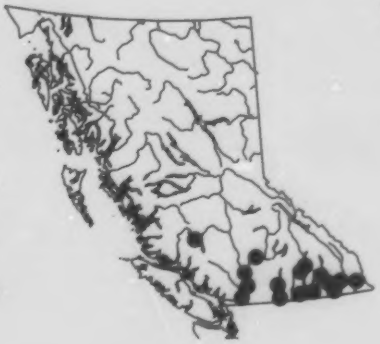
Artemisia lindleyana



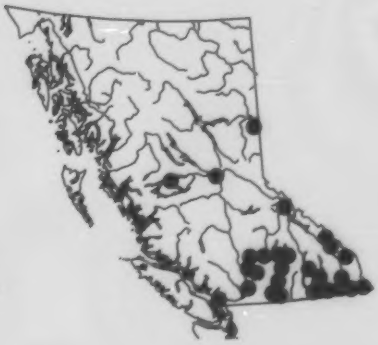
Artemisia longifolia



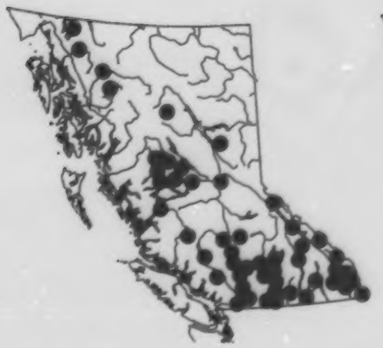
Artemisia ludoviciana
var. *incompta*



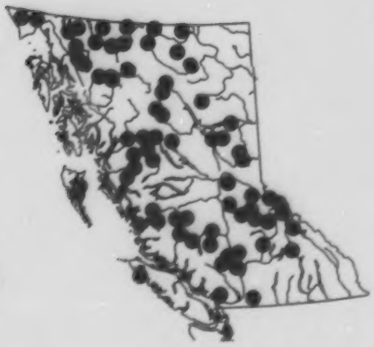
Artemisia ludoviciana
var. *latiloba*



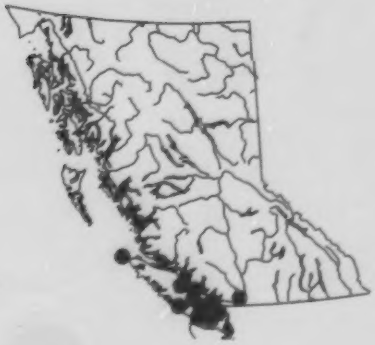
Artemisia ludoviciana
var. *ludoviciana*



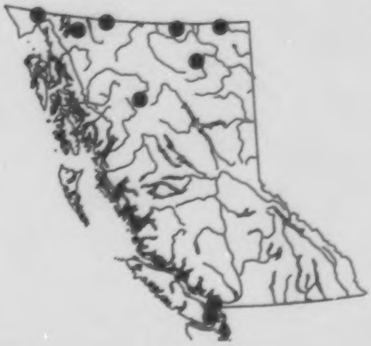
Artemisia michauxiana



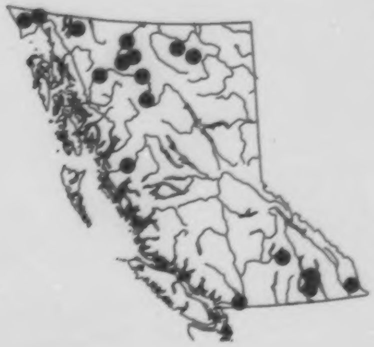
Artemisia norvegica
ssp. *saxatilis*



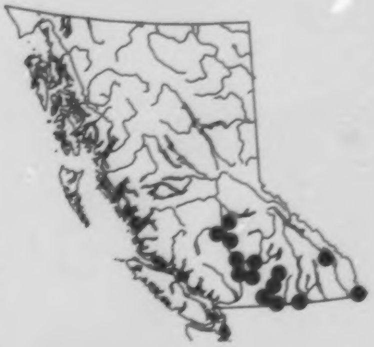
Artemisia suksdorfii



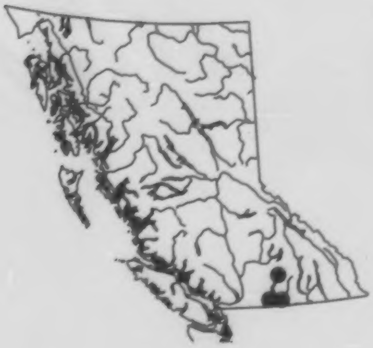
Artemisia tilesii var. *tilesii*



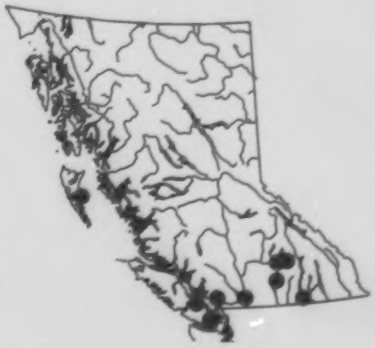
Artemisia tilesii
var. *unalaschcensis*



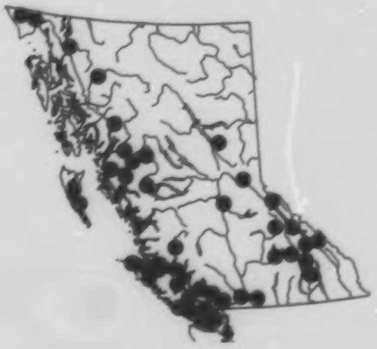
Artemisia tridentata
sensu lato



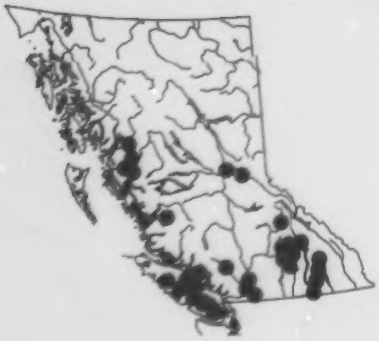
Artemisia tripartita



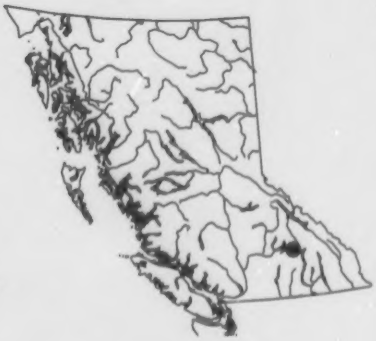
Artemisia vulgaris



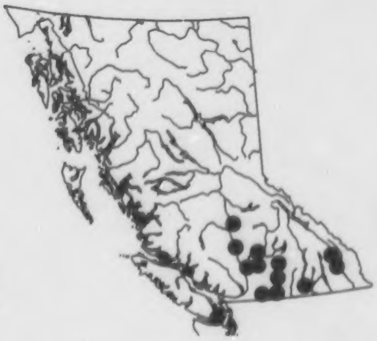
Aruncus dioicus



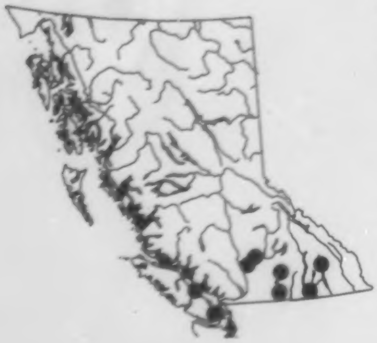
Asarum caudatum



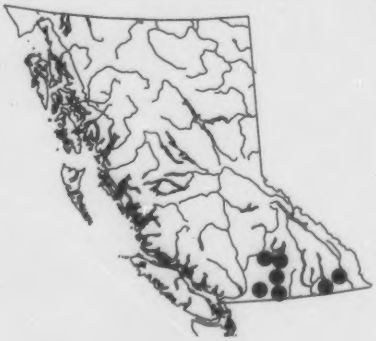
Asclepias ovalifolia



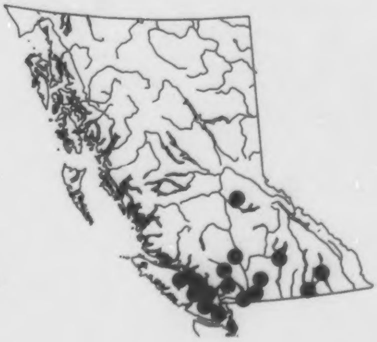
Asclepias speciosa



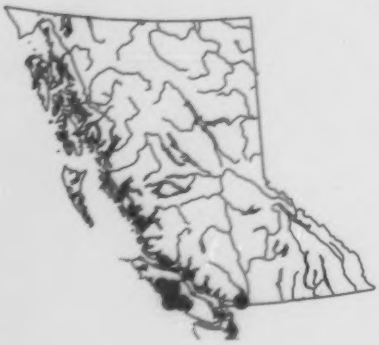
Asparagus officinalis



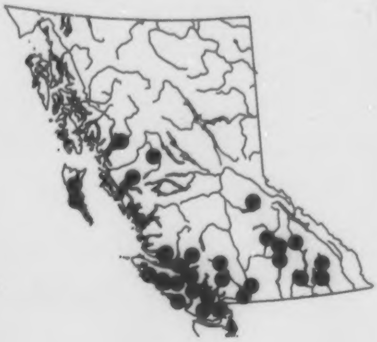
Asperugo procumbens



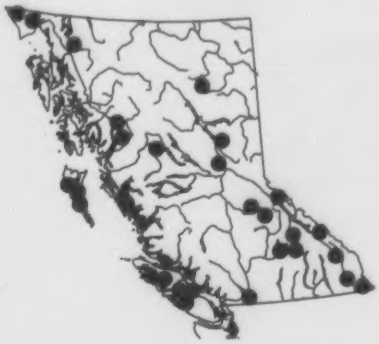
Aspidotis densa



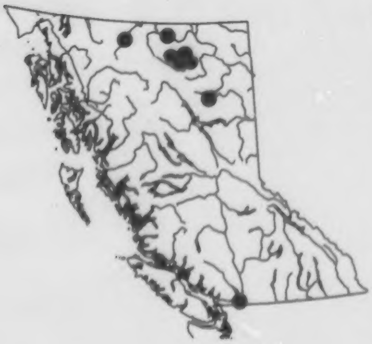
Asplenium adulterinum



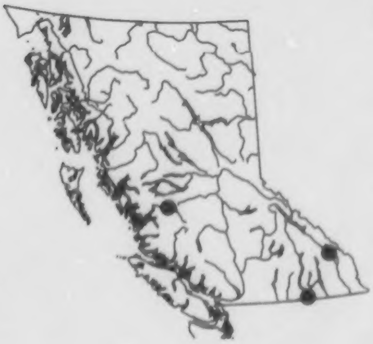
Asplenium trichomanes



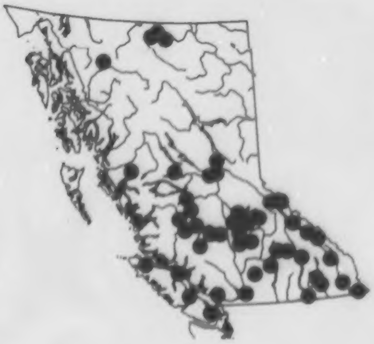
Asplenium viride



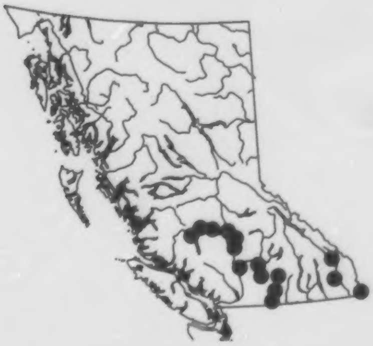
Aster alpinus ssp. *vierhapperi*



Aster ascendens



Aster borealis



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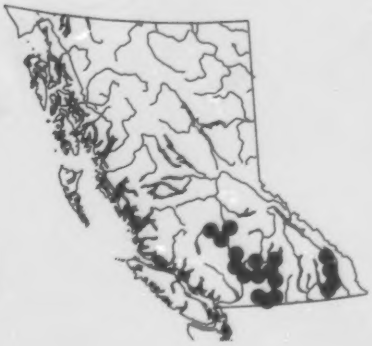
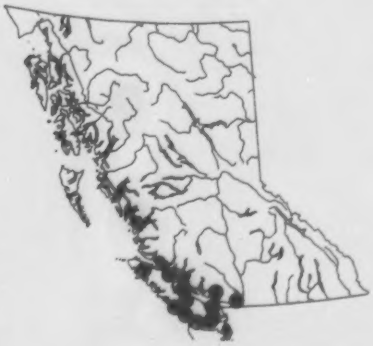
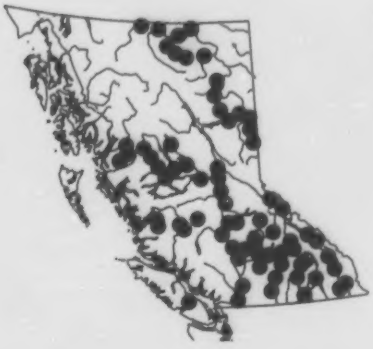


Aster campestris var. *campestris*



Aster chilensis



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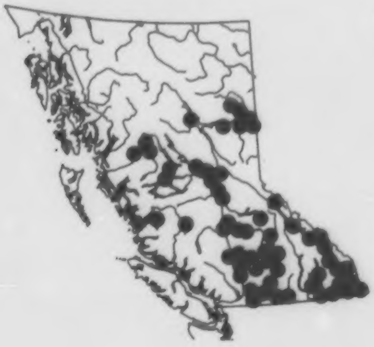
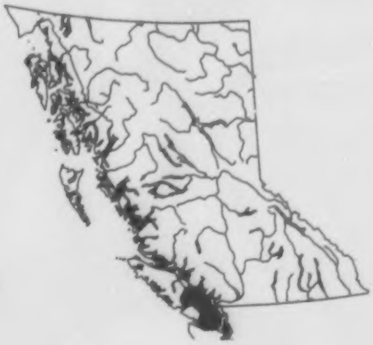
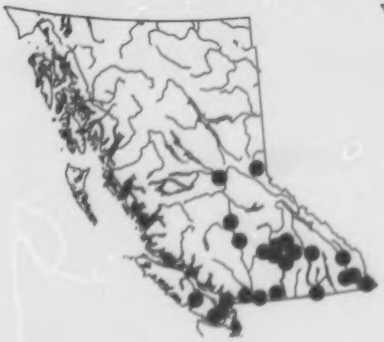


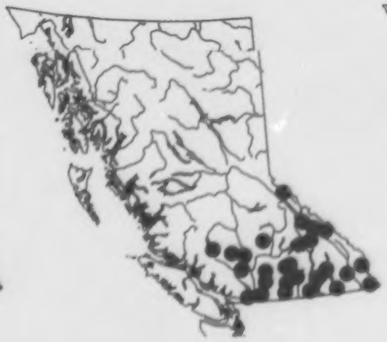
Aster conspicuus



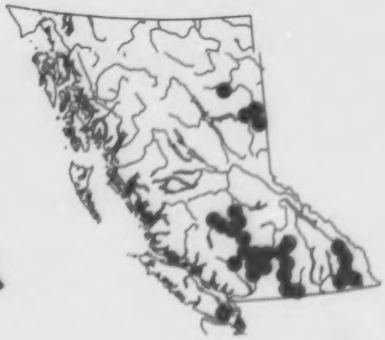
Aster curtus



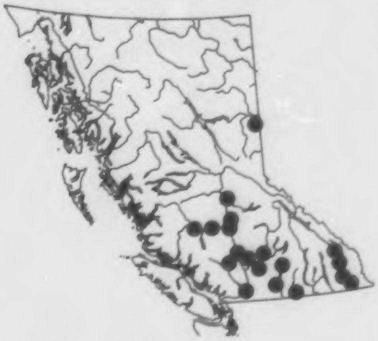
Aster eatonii



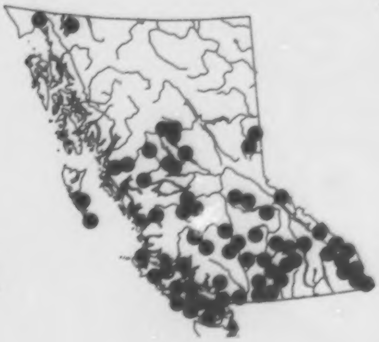
Aster engelmannii



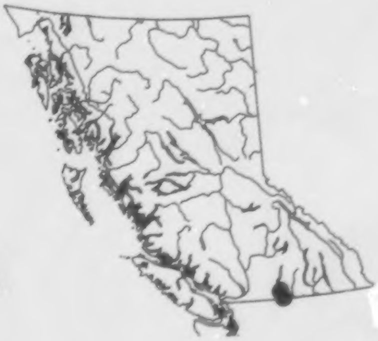
Aster ericoides ssp. *pansus*



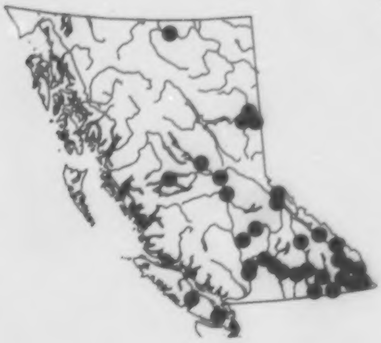
Aster falcatus ssp. *falcatus*



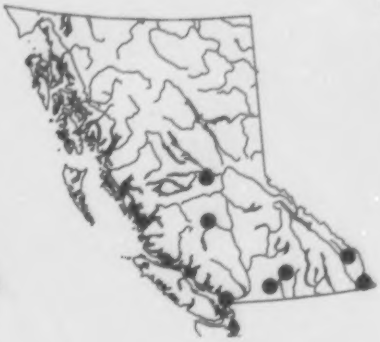
Aster foliaceus



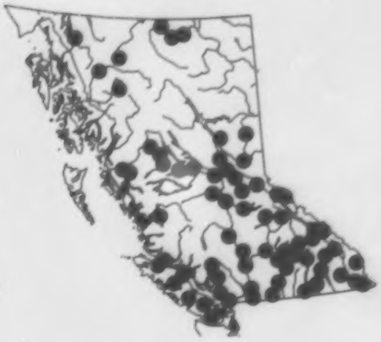
Aster frondosus



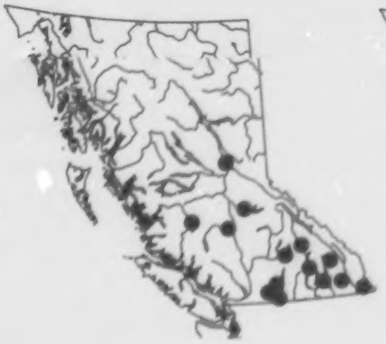
Aster laevis var. *geyeri*



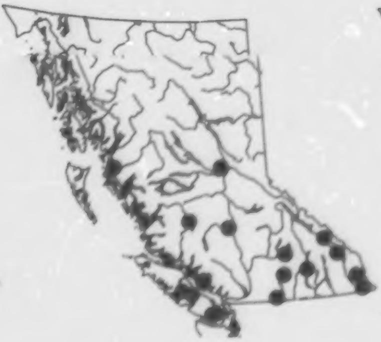
Aster lanceolatus ssp. *hesperius*



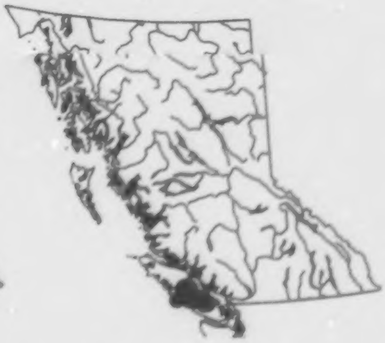
Aster modestus



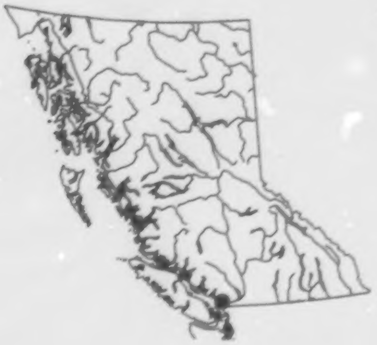
Aster occidentalis var. *intermedius*



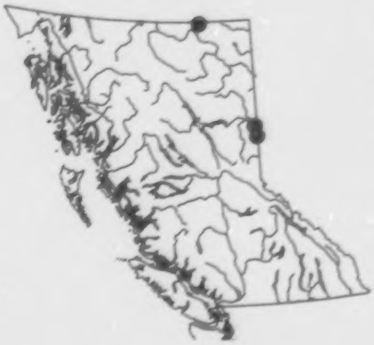
Aster occidentalis
var. *occidentalis*



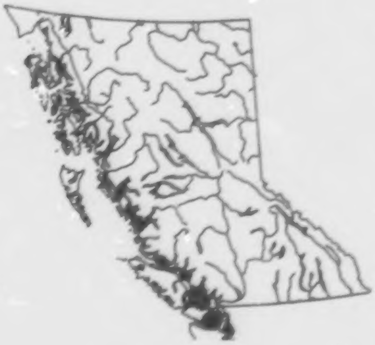
Aster paucicapitatus



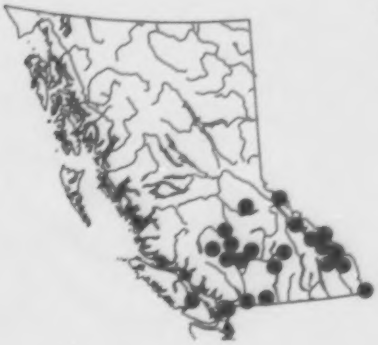
Aster pilosus var. *pilosus*



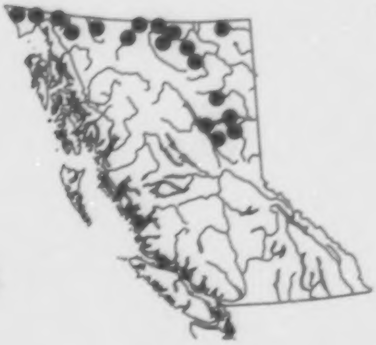
Aster puniceus var. *puniceus*



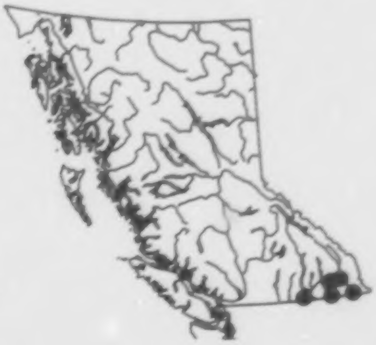
Aster radulinus



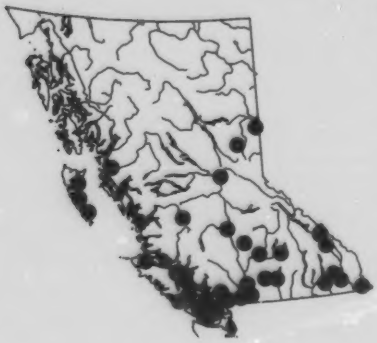
Aster sibiricus ssp. *meritus*



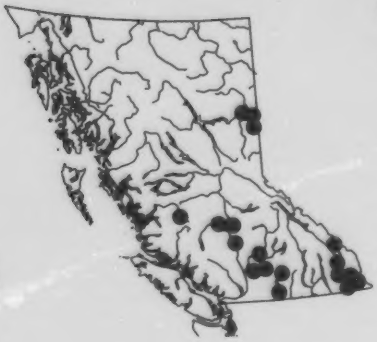
Aster sibiricus ssp. *pygmaeus*



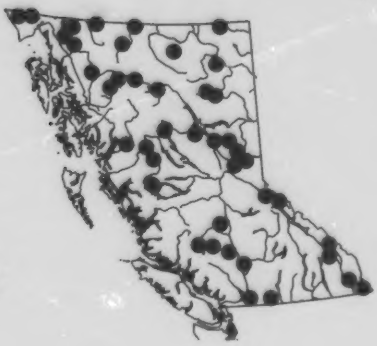
Aster stenomeres



Aster subspicatus
var. *subspicatus*



Astragalus agrestis



Astragalus alpinus
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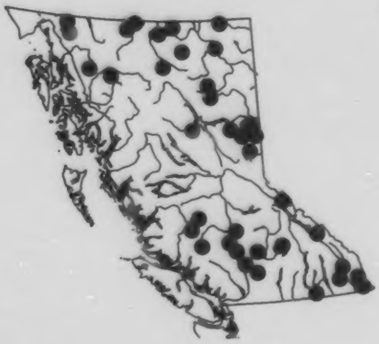
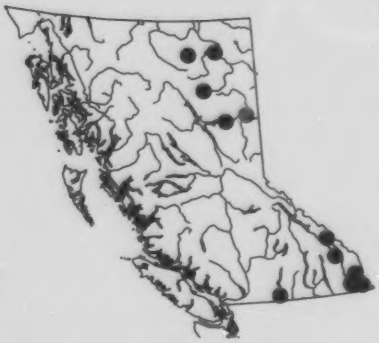


Astragalus americanus



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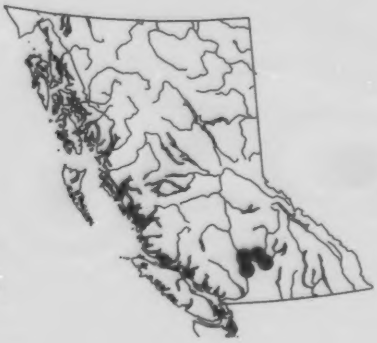
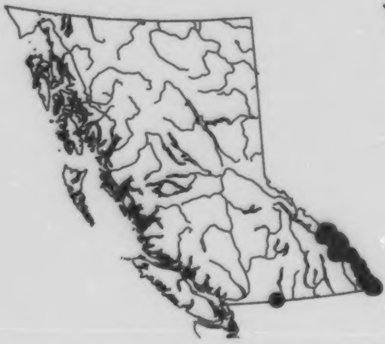


Astragalus beckwithii
var. *weiserensis*



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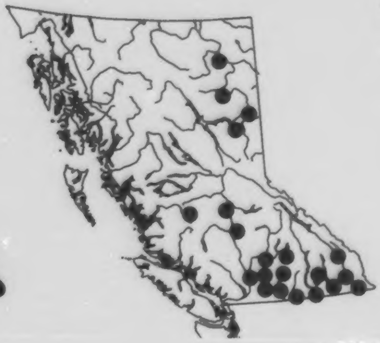
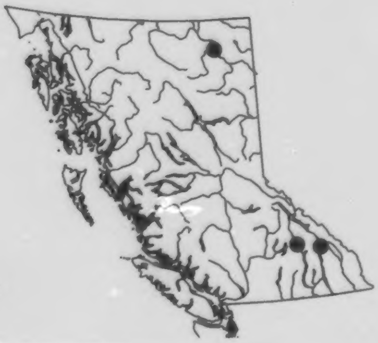


Astragalus canadensis
sensu lato



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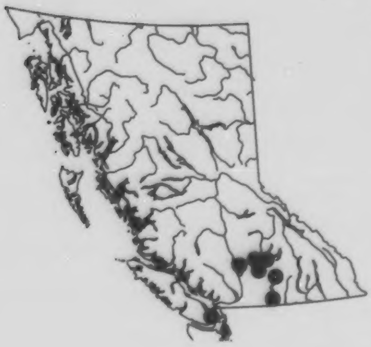

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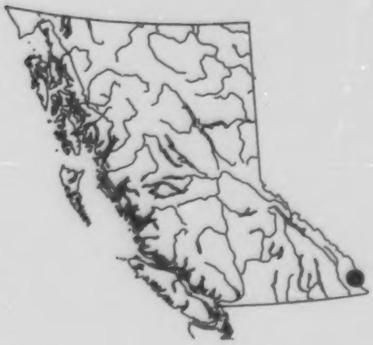

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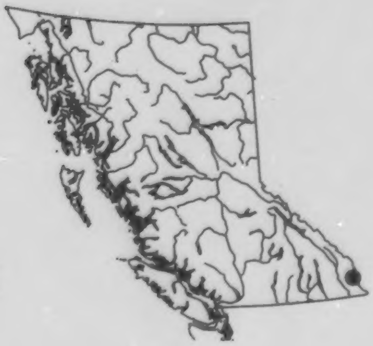

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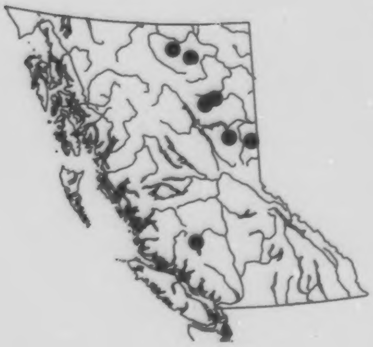

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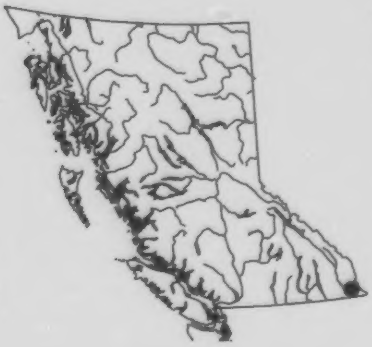

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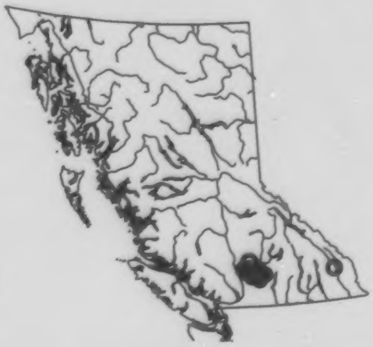
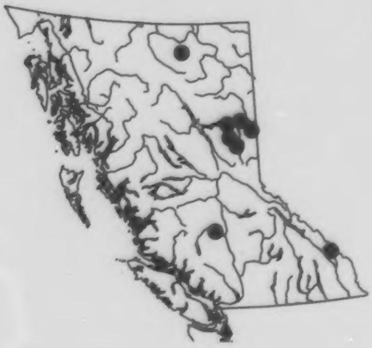
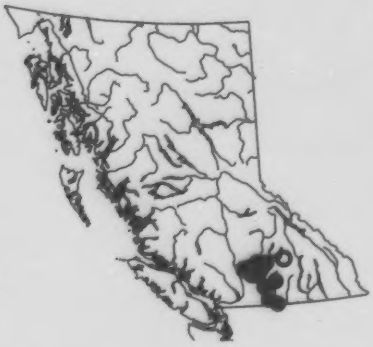


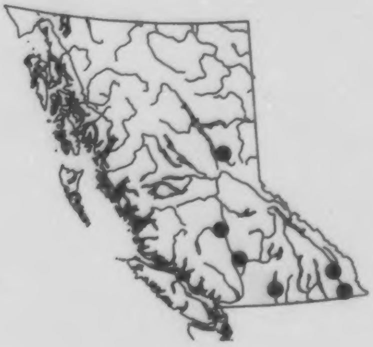
Astragalus filipes



Astragalus laxmannii
var. *robustior*



Astragalus lentiginosus



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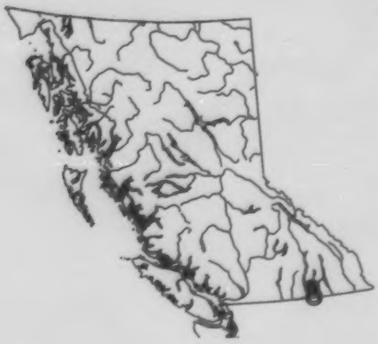
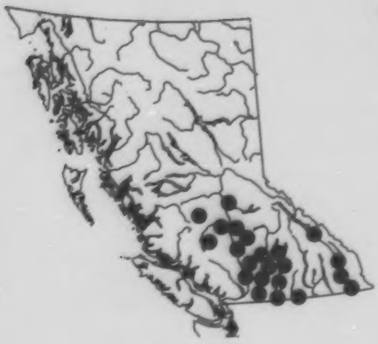
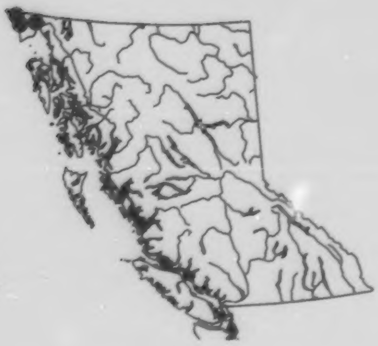


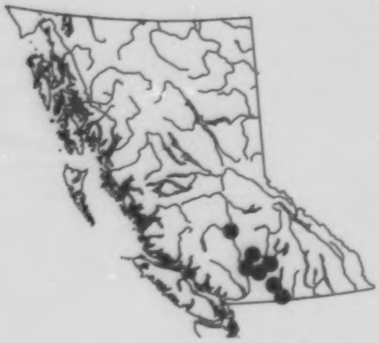
Astragalus microcystis



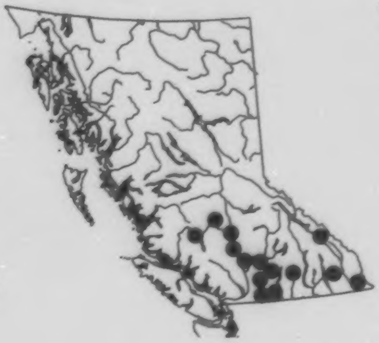
Astragalus miser
sensu lato



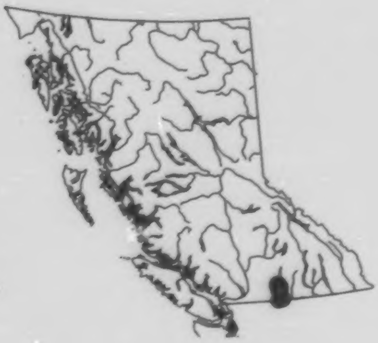
Astragalus nutzotinensis



Astragalus purshii sensu lato



Astragalus robbinsii
var. *minor*



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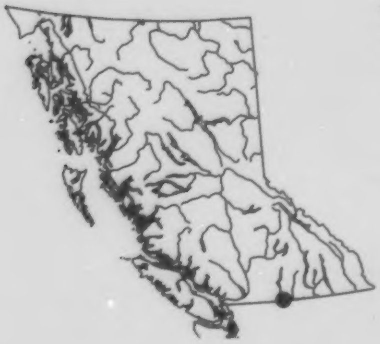
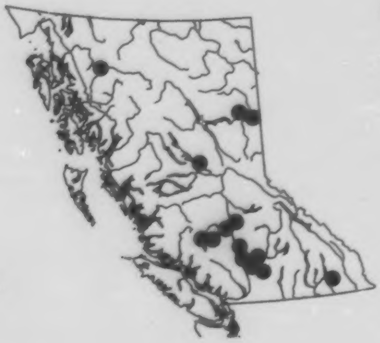
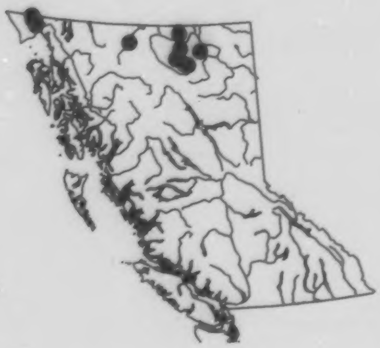


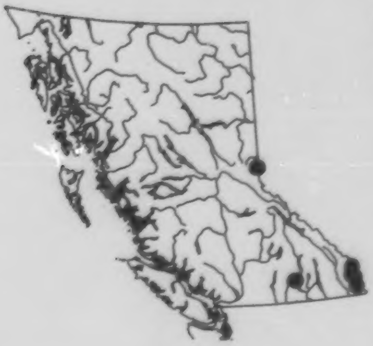
Astragalus spaldingii
var. *spaldingii*



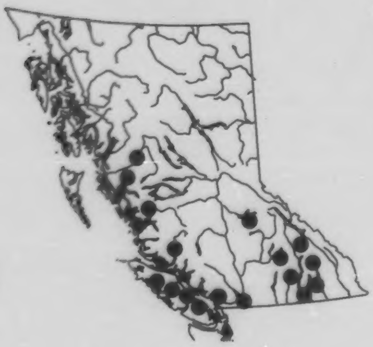
Astragalus tenellus



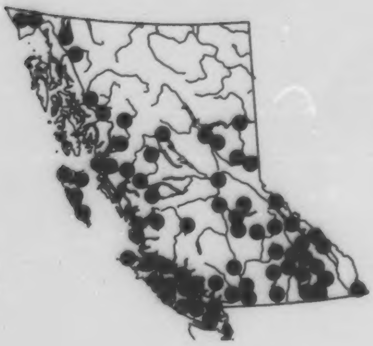
Astragalus umbellatus



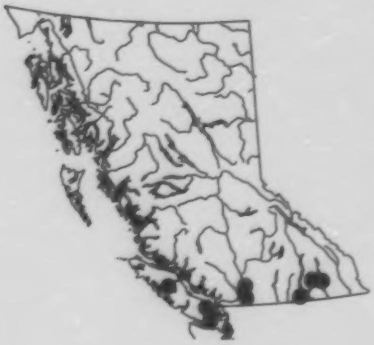
Astragalus vexilliflexus* var. *vexilliflexus



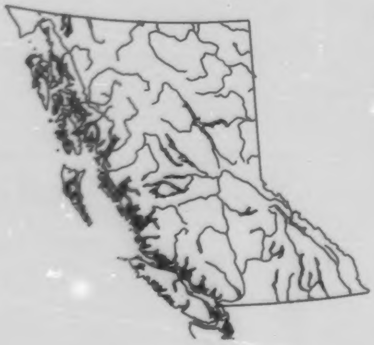
Athyrium distentifolium* ssp. *americanum



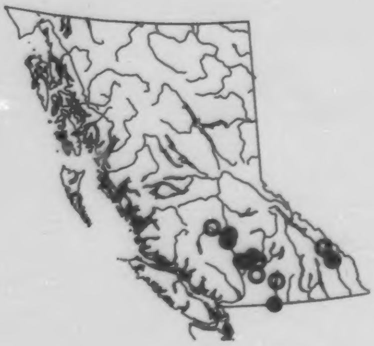
Athyrium filix-femina* ssp. *cyclosorum



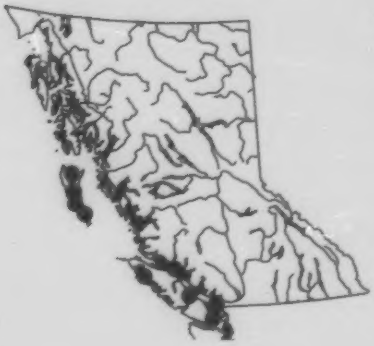
Athysanus pusillus



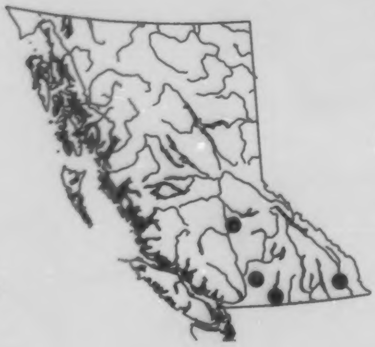
Atriplex alaskensis



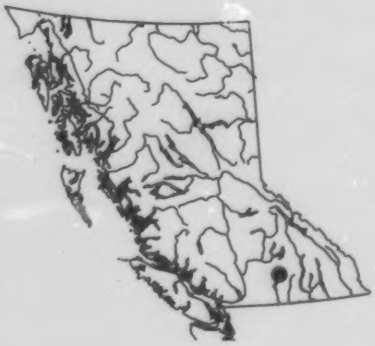
Atriplex argentea* ssp. *argentea



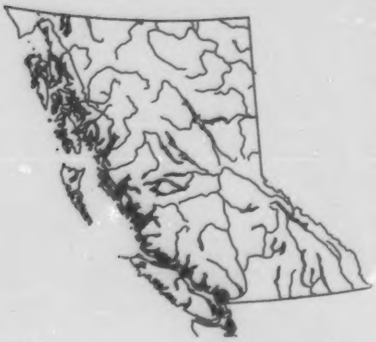
Atriplex gmelinii



Atriplex hortensis



Atriplex micrantha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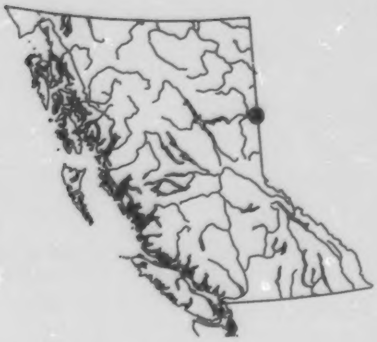
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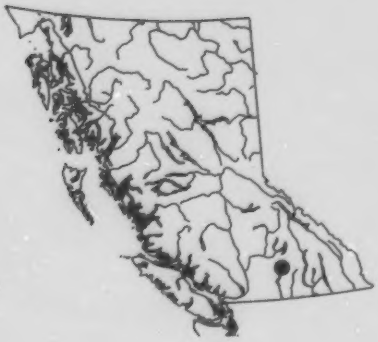
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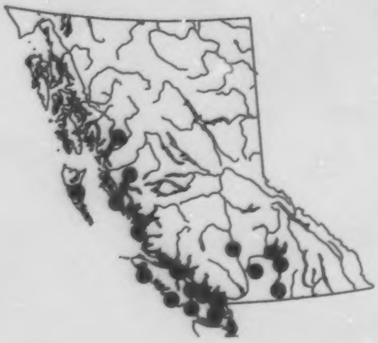
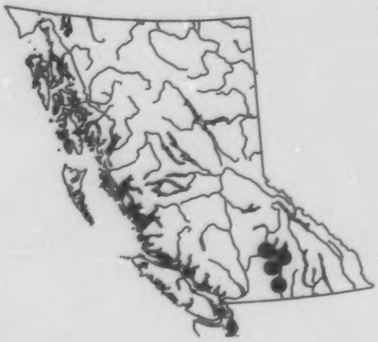
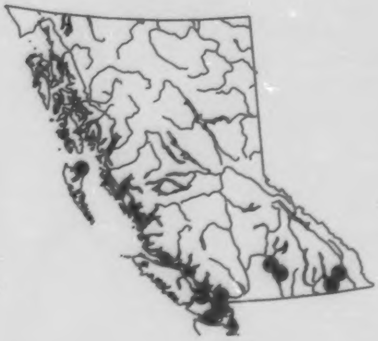
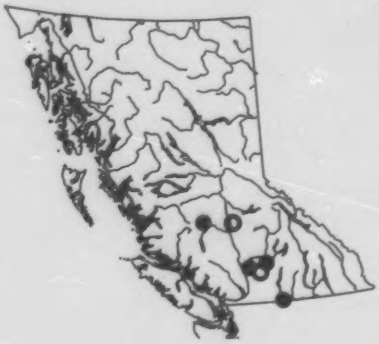
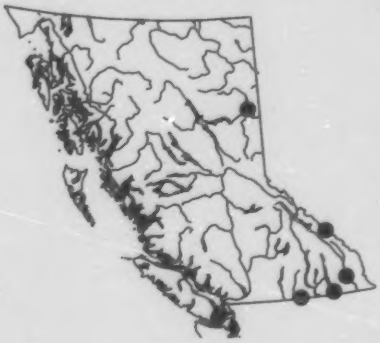
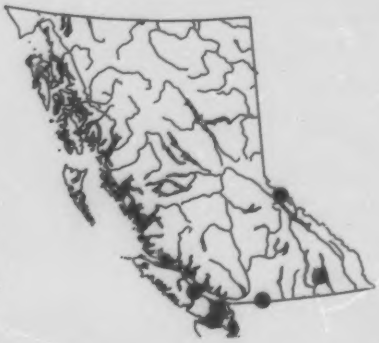

Atriplex patula


Atriplex rosea


Atriplex subspicata


Atriplex truncata


Avena fatua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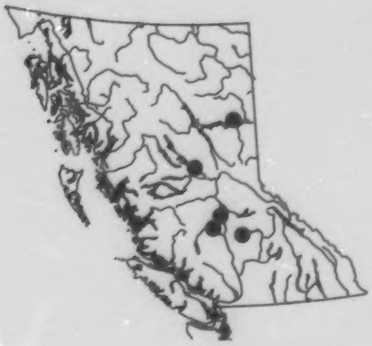

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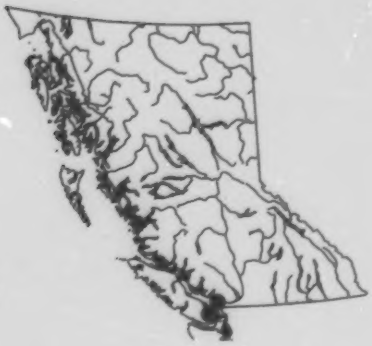

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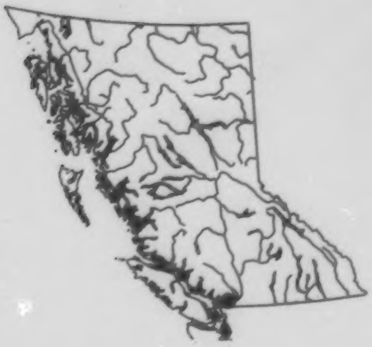

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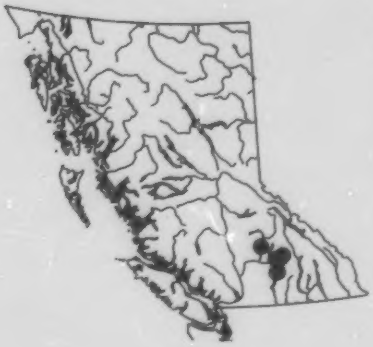

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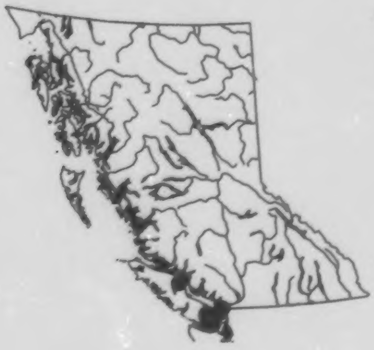
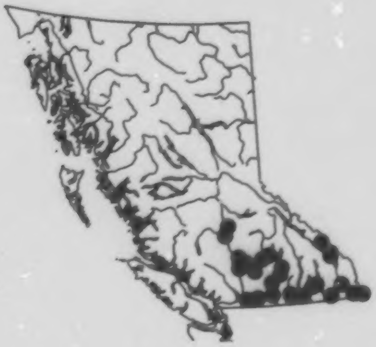


Balsamorhiza deltoidea



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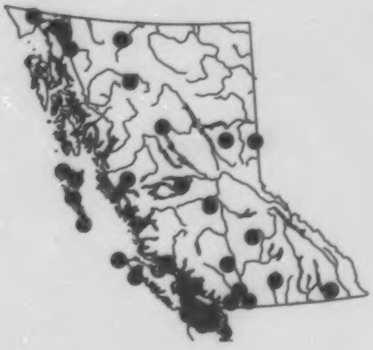
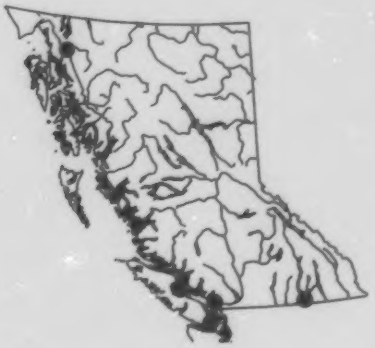
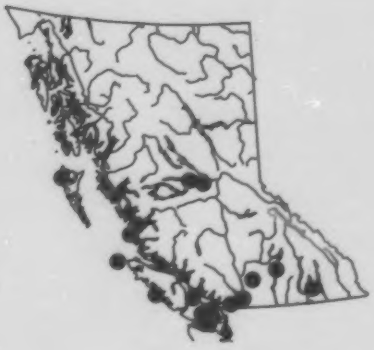


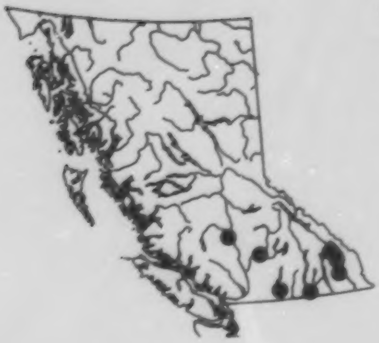
Barbarea orthoceras



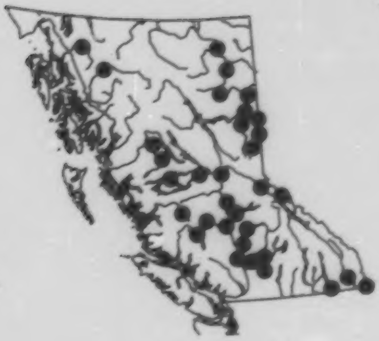
Barbarea verna



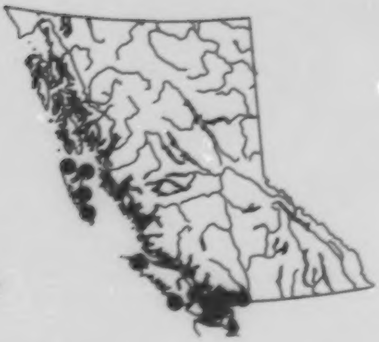
Barbarea vulgaris



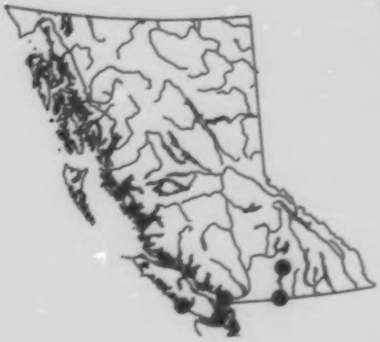
Bassia hyssopifolia



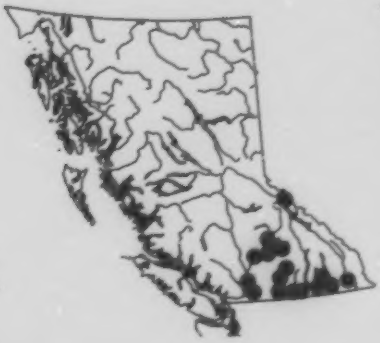
Beckmannia syzigachne



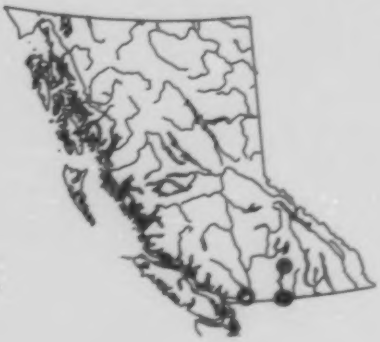
Bellis perennis



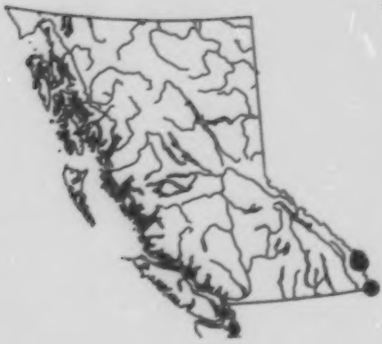
Berberis vulgaris



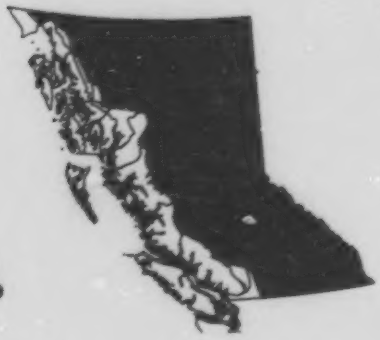
Berteroa incana



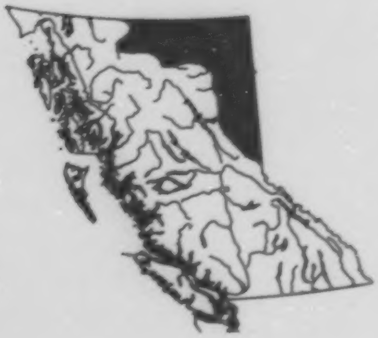
Berula erecta



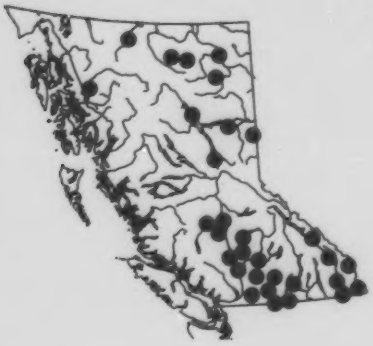
Besseya wyomingensis



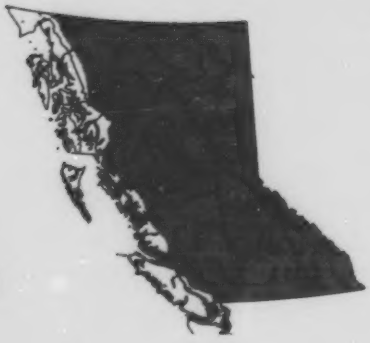
Betula nana



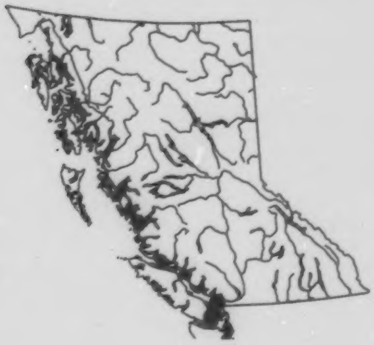
Betula neoalaskana



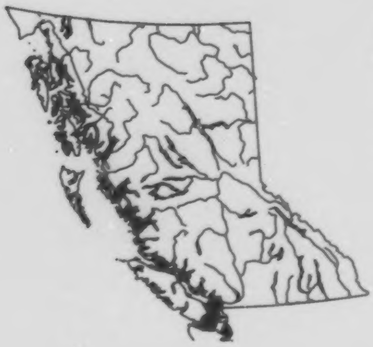
Betula occidentalis



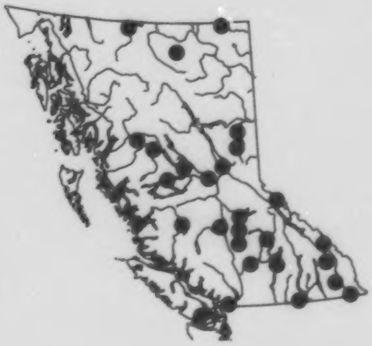
Betula papyrifera sensu lato



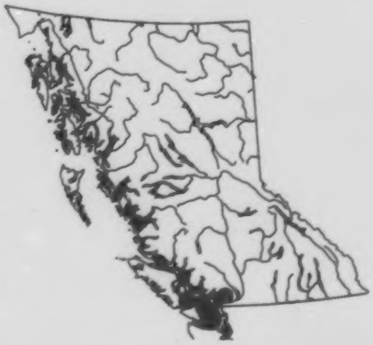
Betula pendula



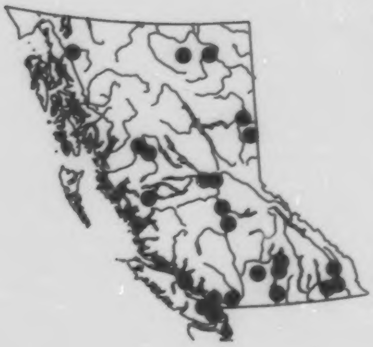
Betula pubescens



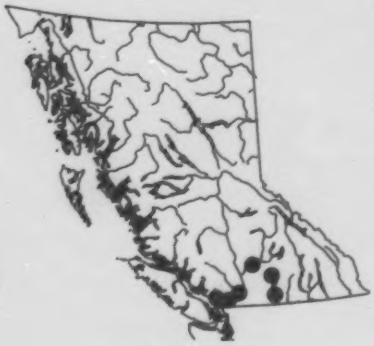
Betula pumila var. *glandulifera*



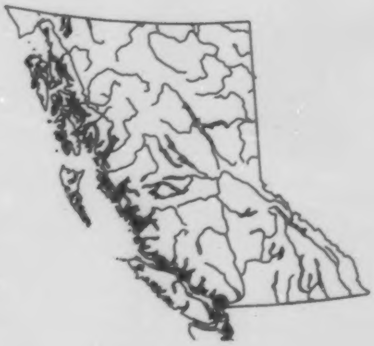
Bidens amplissima



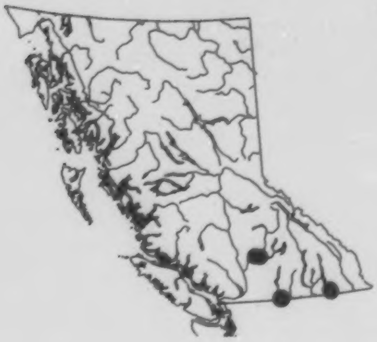
Bidens cernua



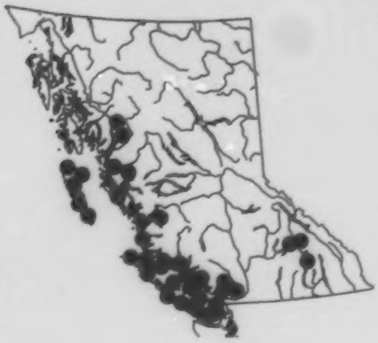
Bidens frondosa



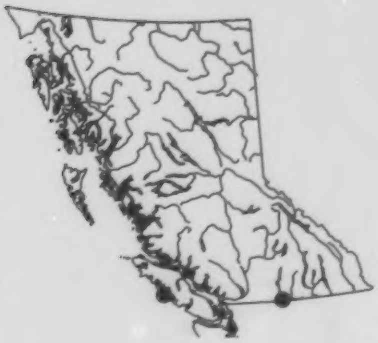
Bidens tripartita



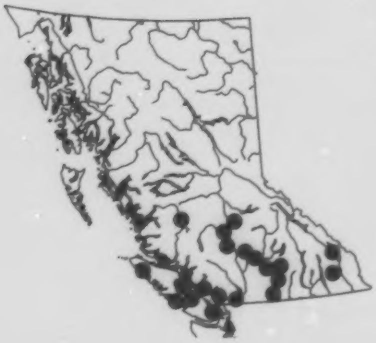
Bidens vulgata



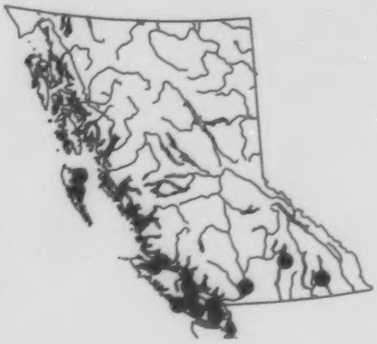
Blechnum spicant



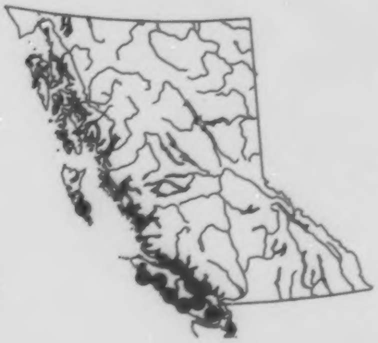
Bolboschoenus fluviatilis



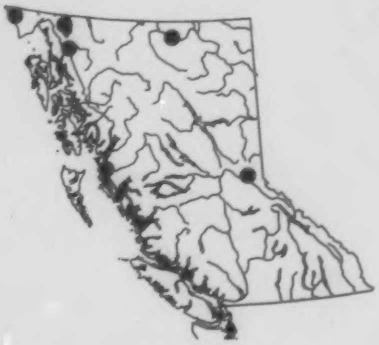
Bolboschoenus maritimus var. *paludosus*



Borago officinalis



Boschniakia hookeri



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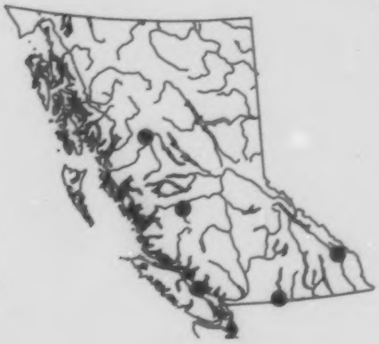

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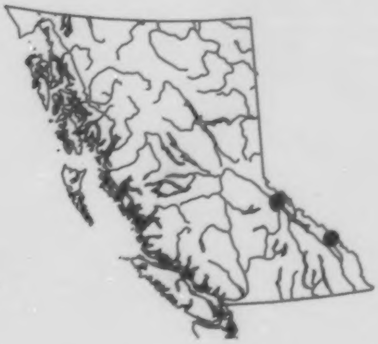

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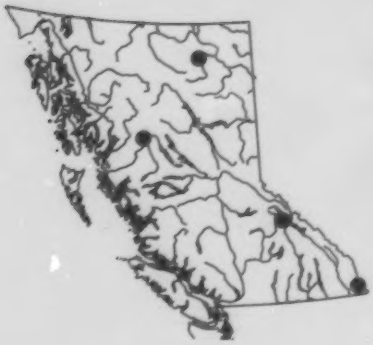

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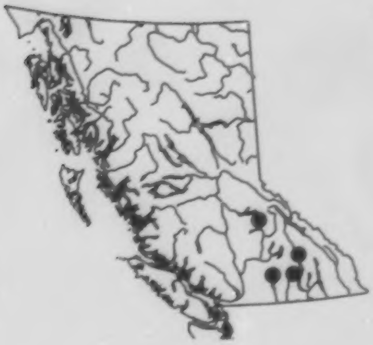

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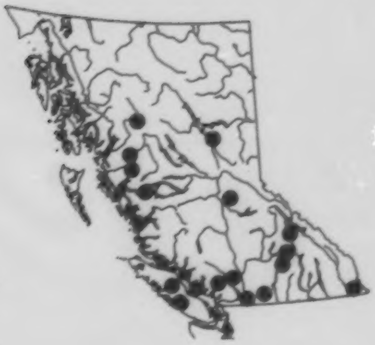

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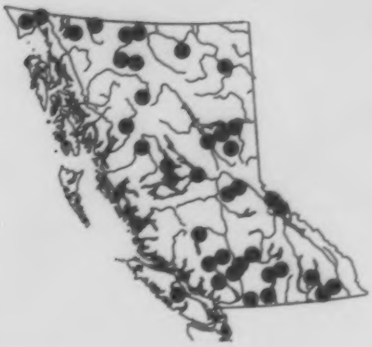

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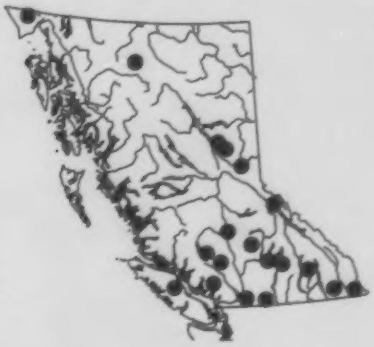
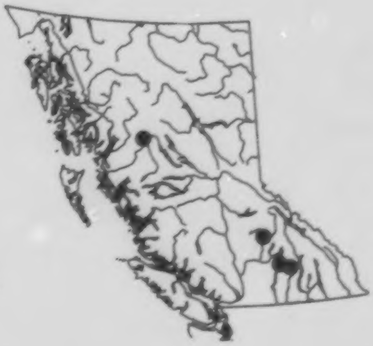
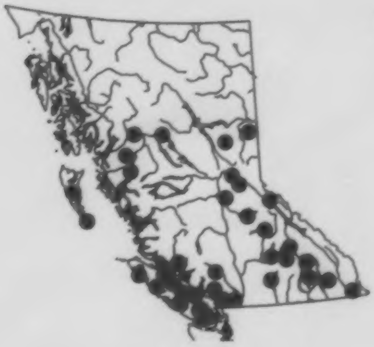


Botrychium minganense



Botrychium montanum



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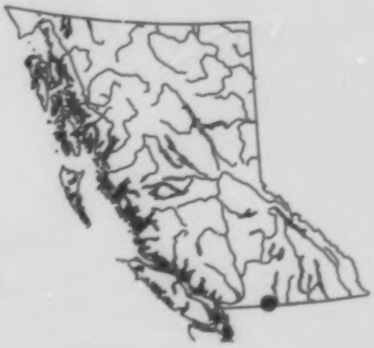

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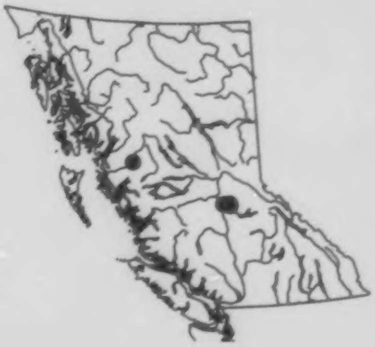

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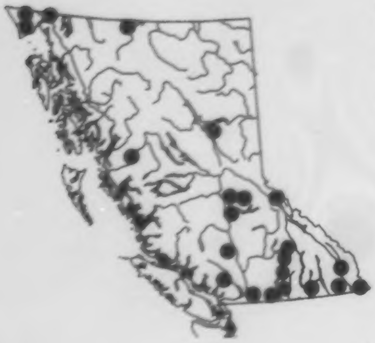

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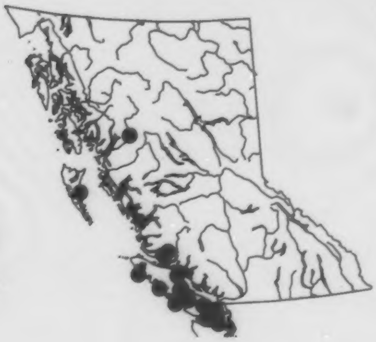

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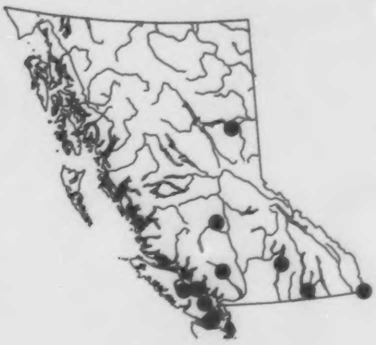
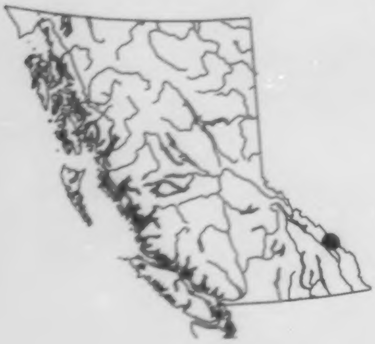


Botrychium simplex



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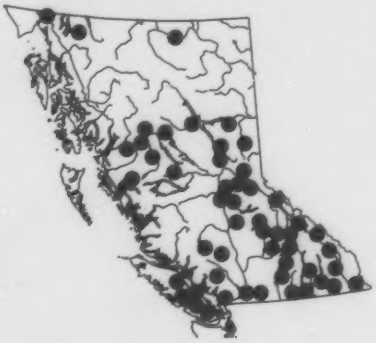
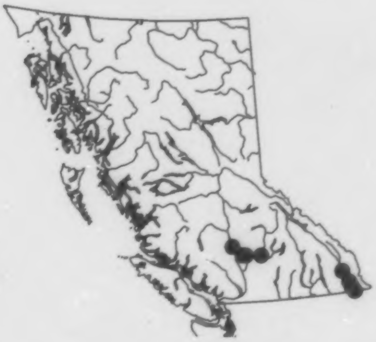
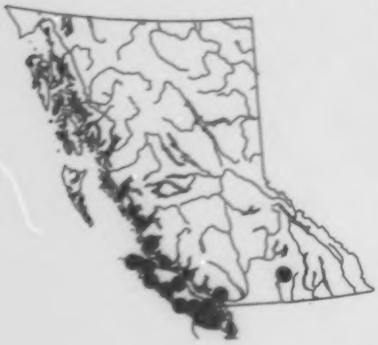


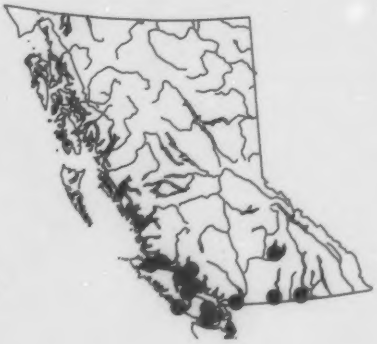
Botrychium virginianum



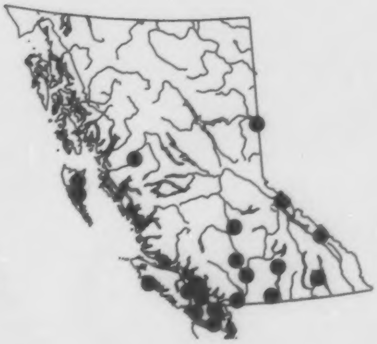
Bouteloua gracilis



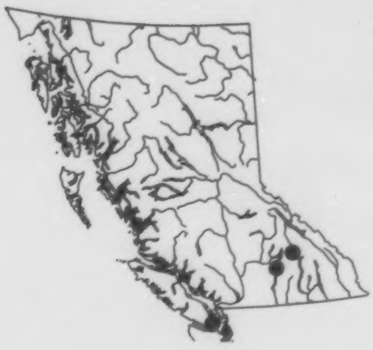
Boykinia occidentalis



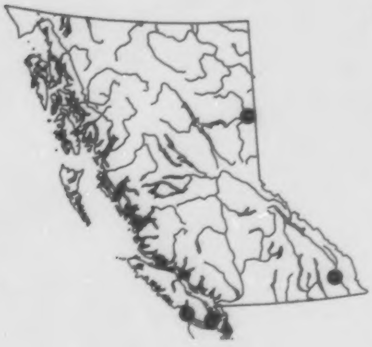
Brasenia schreberi



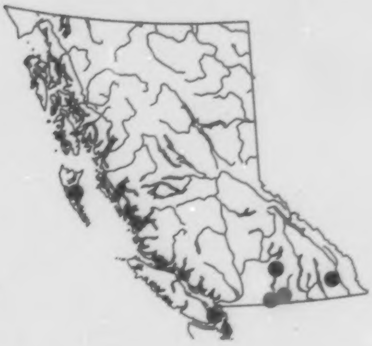
Brassica campestris



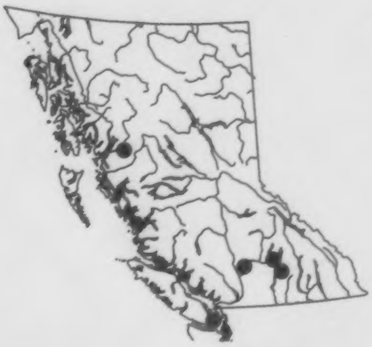
Brassica hirta



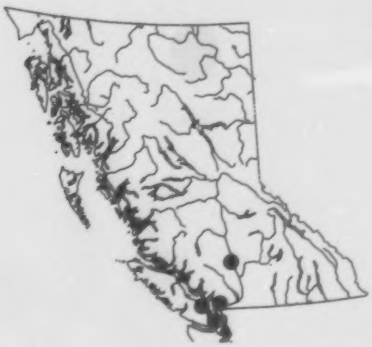
Brassica juncea



Brassica kaber



Brassica napus



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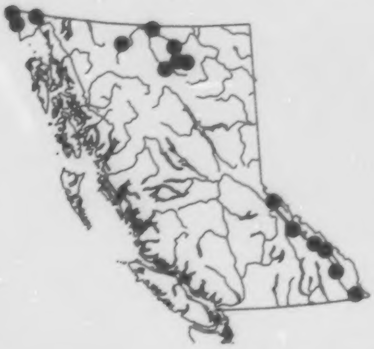
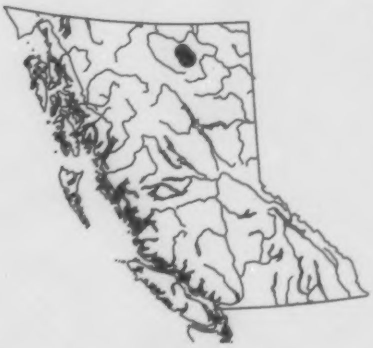
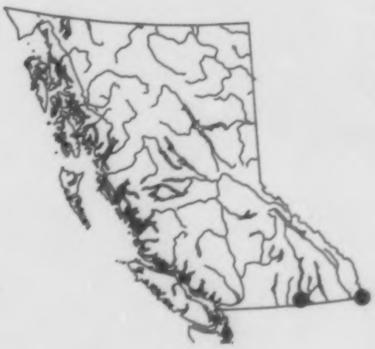


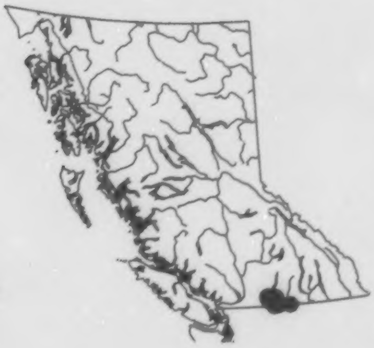
Braya humilis



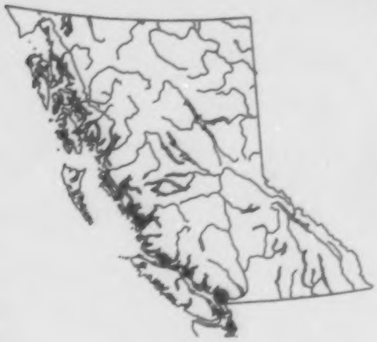
Braya purpurascens



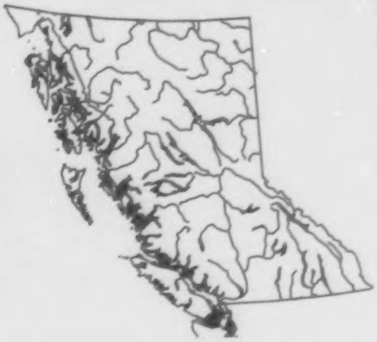
Brickellia grandiflora



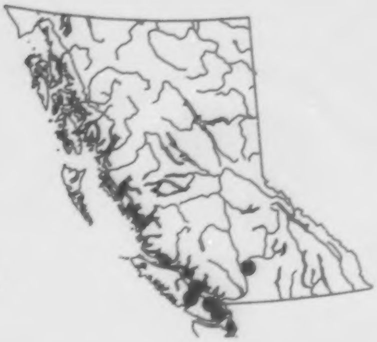
Brickellia oblongifolia
ssp. oblongifolia



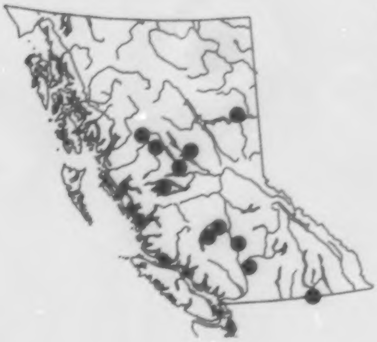
Briza maxima



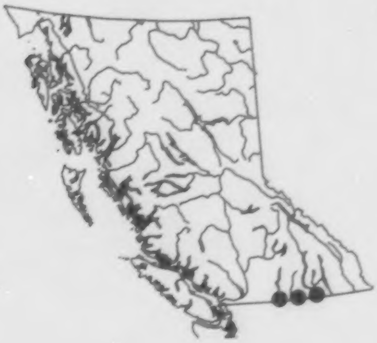
Briza minor



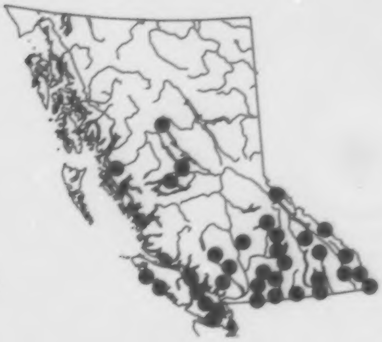
Brodiaea coronaria
ssp. coronaria



Bromus anomalus



Bromus briziformis



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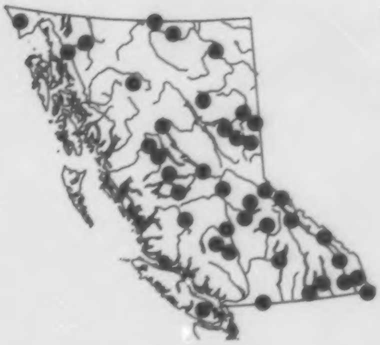

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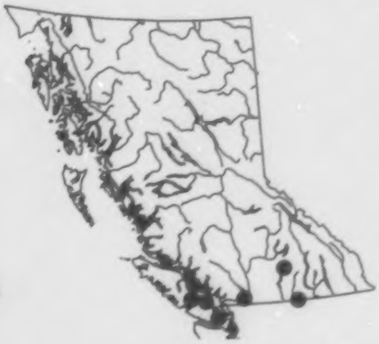

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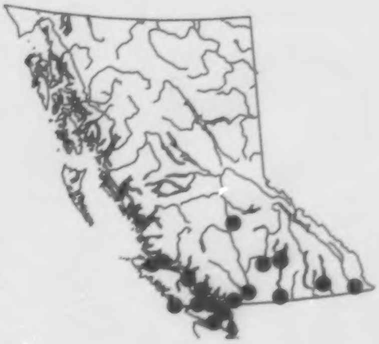
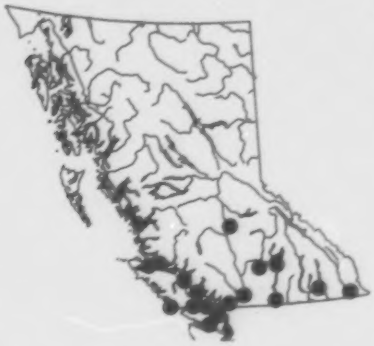


Bromus hordeaceus
ssp. hordeaceus



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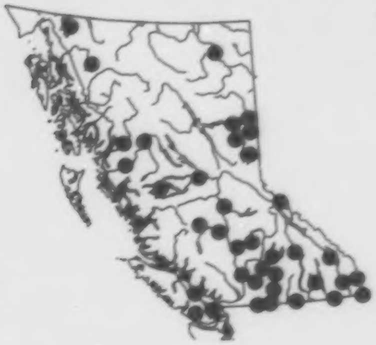

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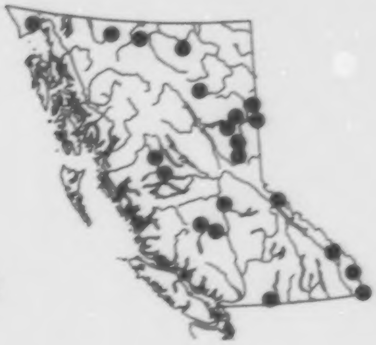

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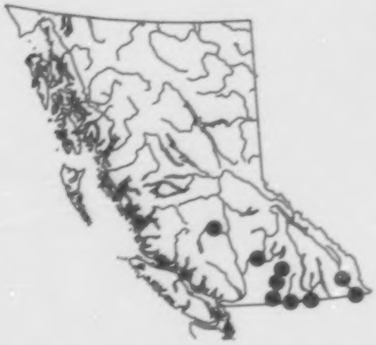

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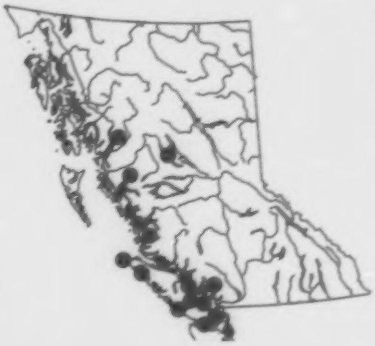

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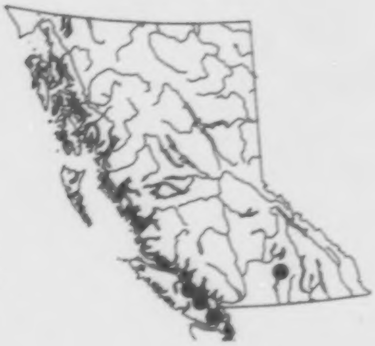

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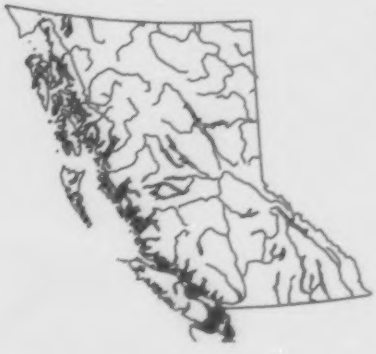

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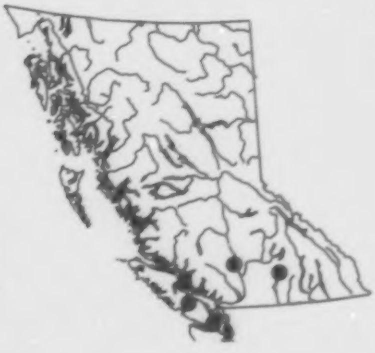
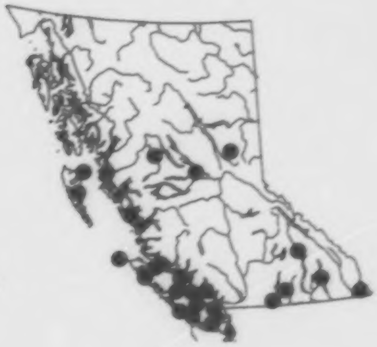
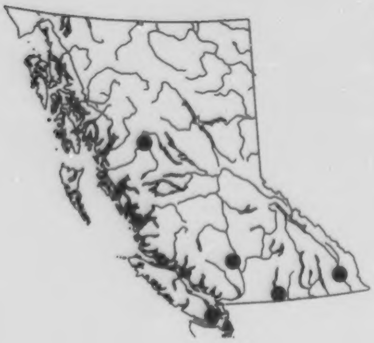


Bromus secalinus



Bromus sitchensis



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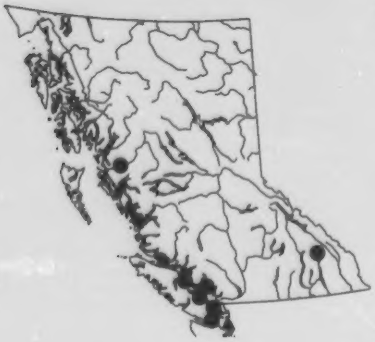

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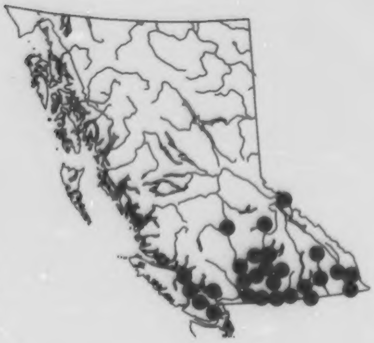
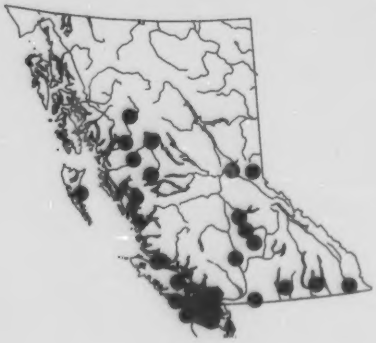
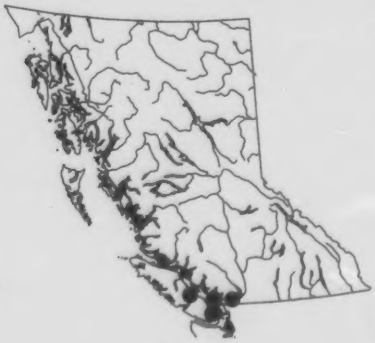


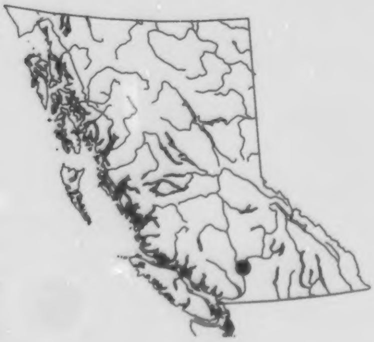
Bromus tectorum



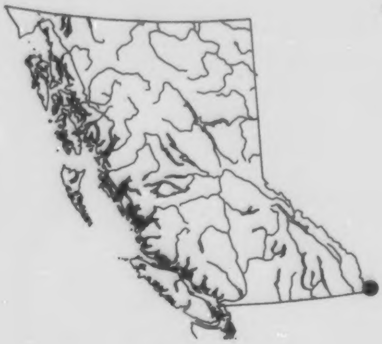
Bromus vulgaris



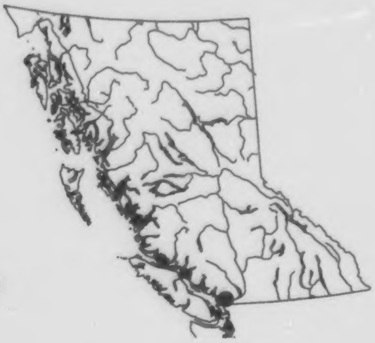
Buddleja davidii



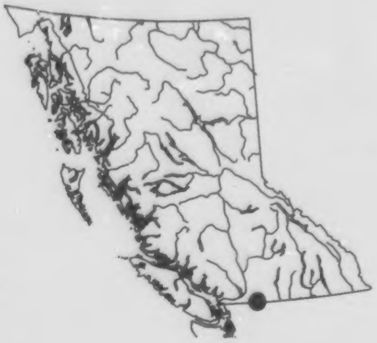
Bunias orientalis



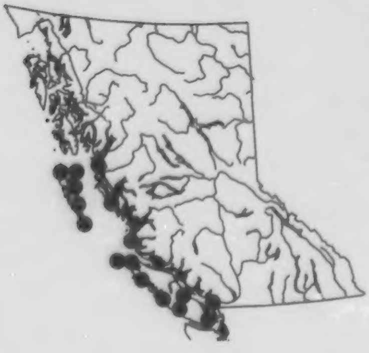
Bupleurum americanum



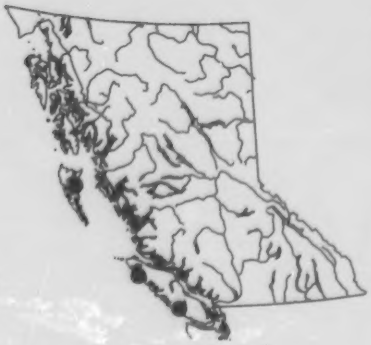
Butomus umbellatus



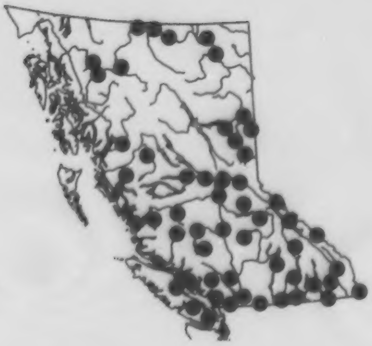
Cacaliopsis nardosmia



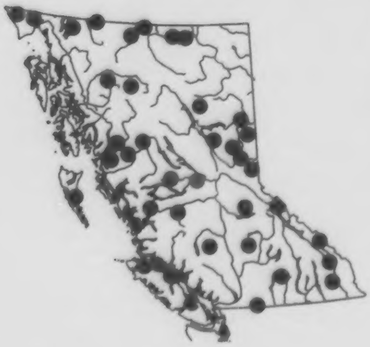
Cakile edentula



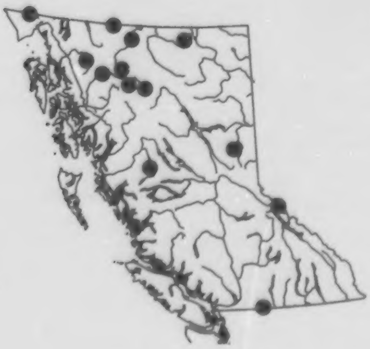
Cakile maritima



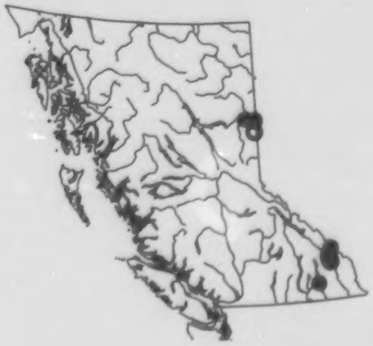
Calamagrostis canadensis
var. canadensis



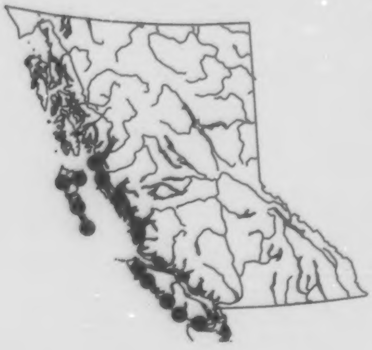
Calamagrostis canadensis
var. langsdorfii



Calamagrostis lapponica



Calamagrostis montanensis



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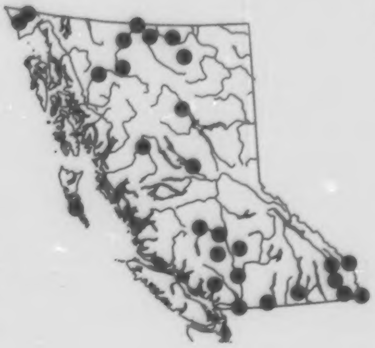
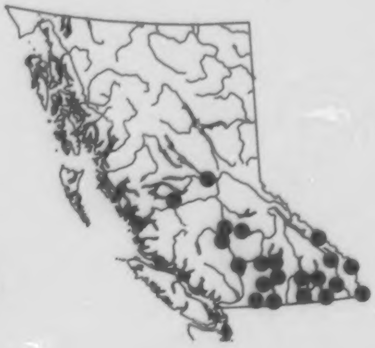


Calamagrostis purpurascens
var. purpurascens



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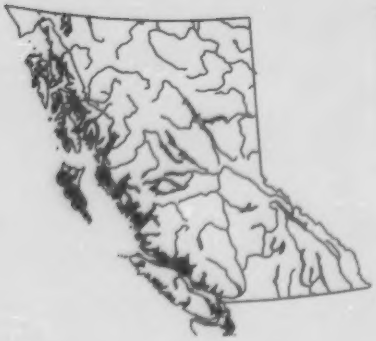
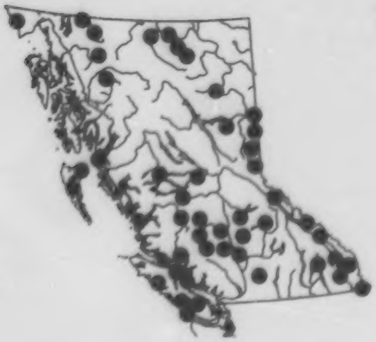
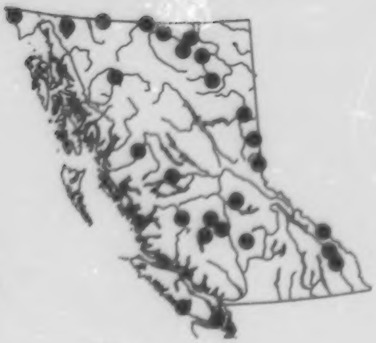


Calamagrostis sesquiflora



Calamagrostis stricta
ssp. *inexpansa*



Calamagrostis stricta
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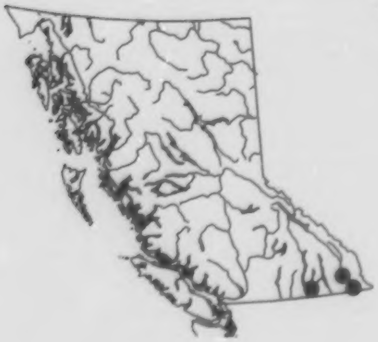

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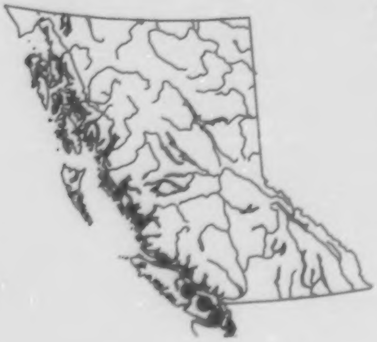
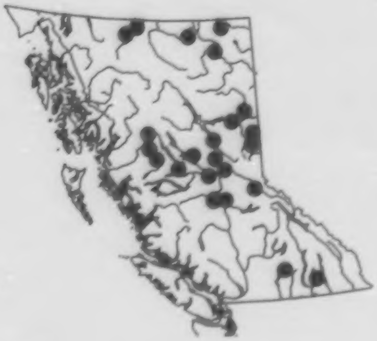
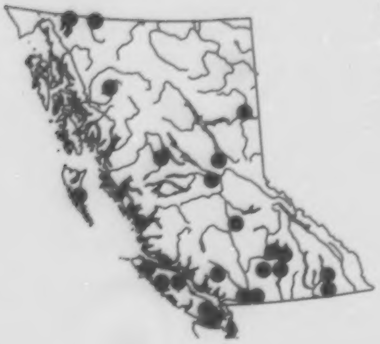


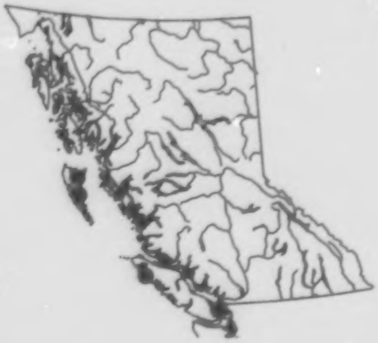
Calandrinia ciliata
var. *menziesii*



Calla palustris



Callitriche hermaphroditica



Callitriche heterophylla
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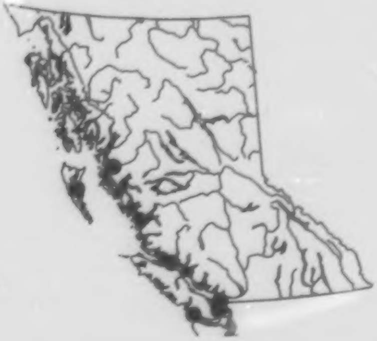

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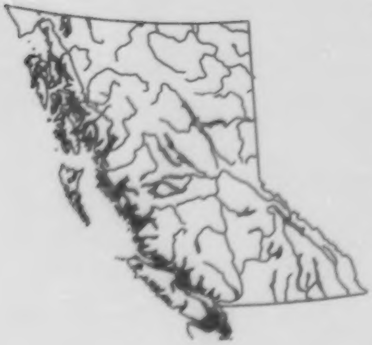
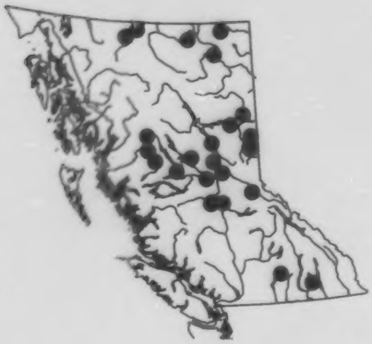
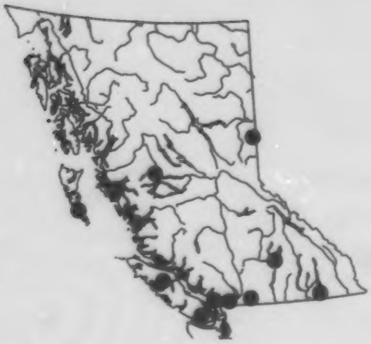


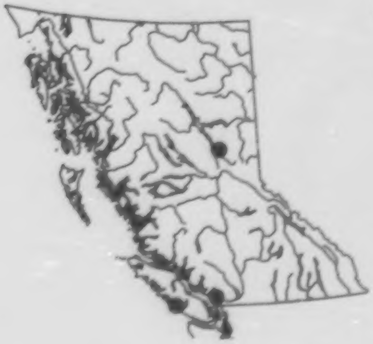
Callitriche marginata



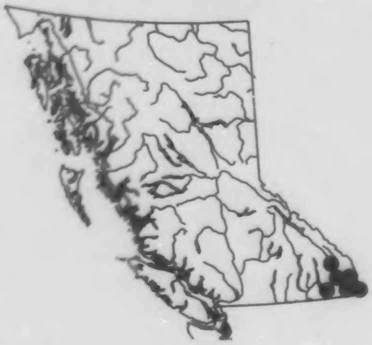
Callitriche palustris



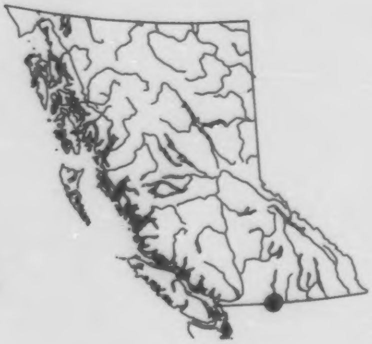
Callitriche stagnalis



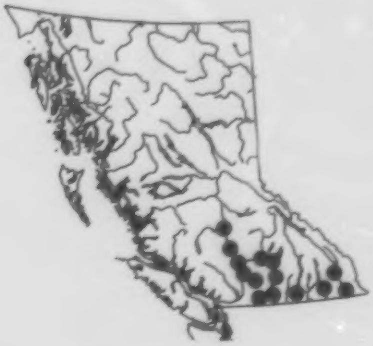
Calluna vulgaris



Calochortus apiculatus



Calochortus lyallii



Calochortus macrocarpus
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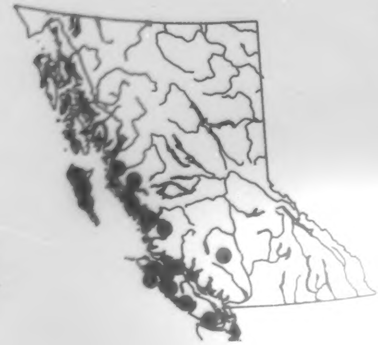
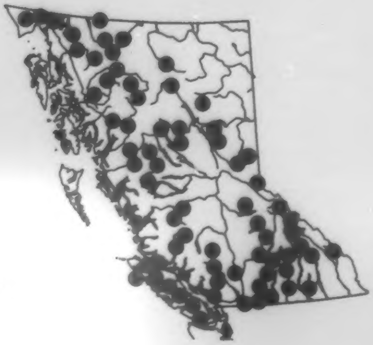


Caltha leptosepala
var. *biflora*



Caltha leptosepala
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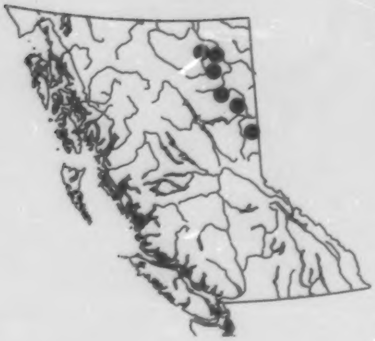
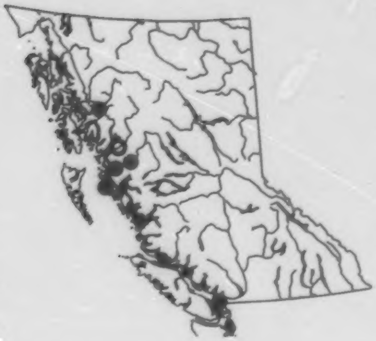
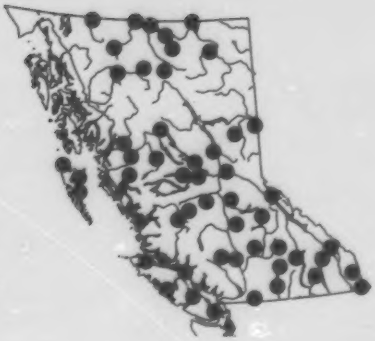


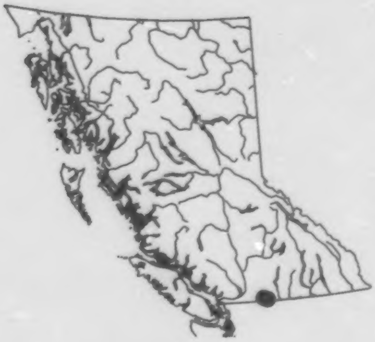
Caltha natans



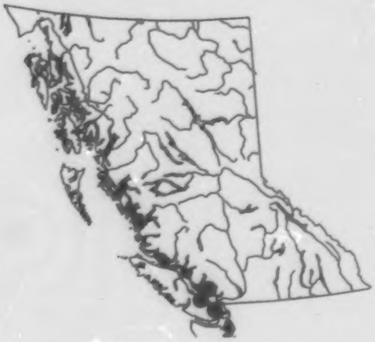
Caltha palustris var. *palustris*



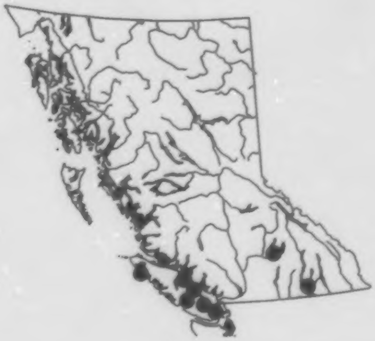
Calypso bulbosa sensu lato



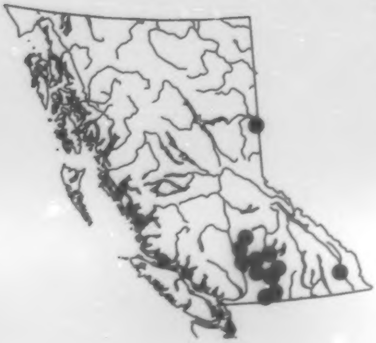
Calyptridium umbellatum var. *caudiciferum*



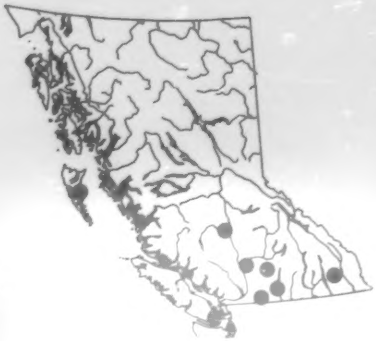
Camassia leichtlinii ssp. *suksdorfii*



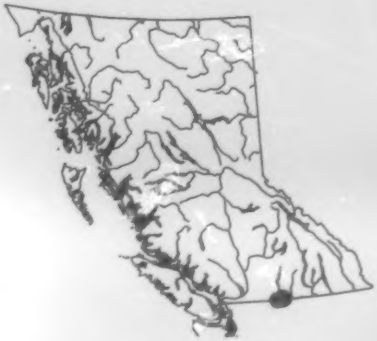
Camassia quamash sensu lato



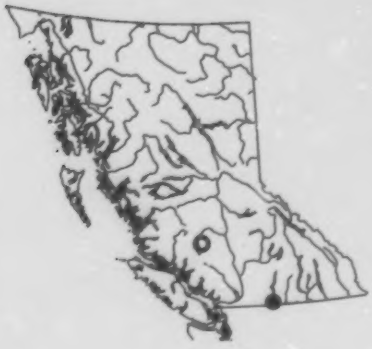
Camelina microcarpa



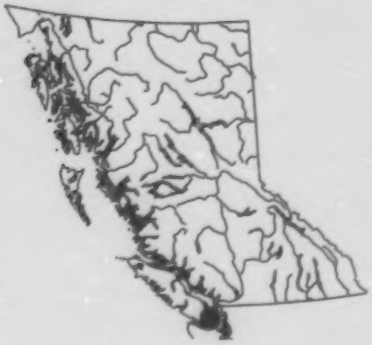
Camelina sativa



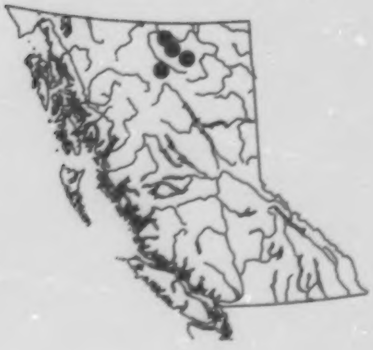
Camissonia andina



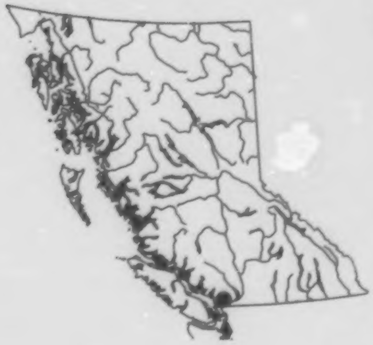
Camissonia breviflora



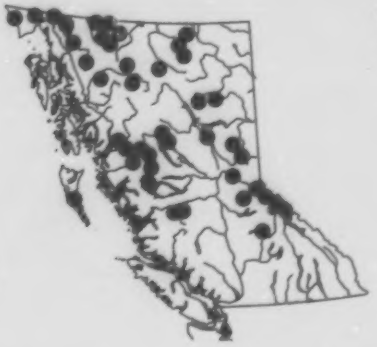
Camissonia contorta



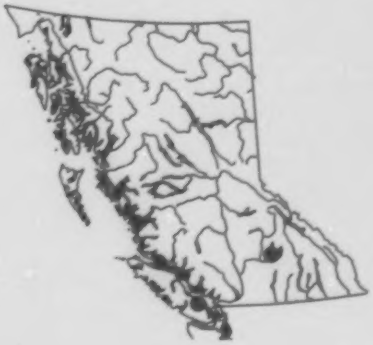
Campanula aurita



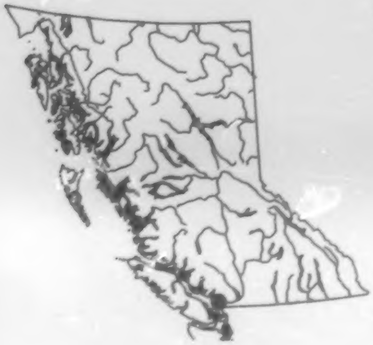
Campanula lactiflora



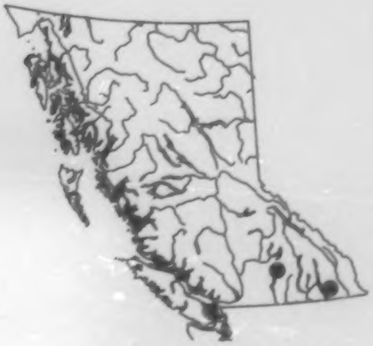
Campanula lasiocarpa



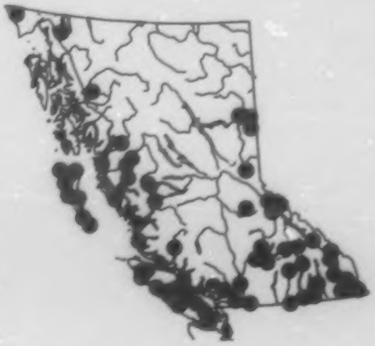
Campanula medium



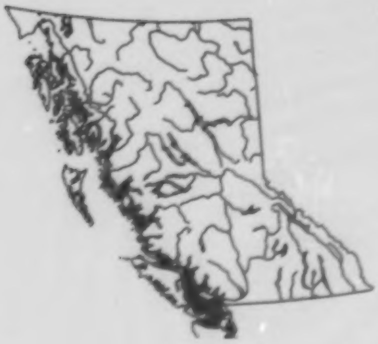
Campanula persicifolia



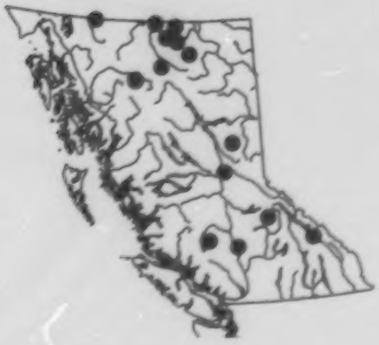
Campanula rapunculoides



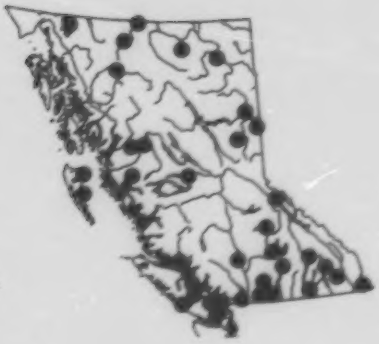
Campanula rotundifolia



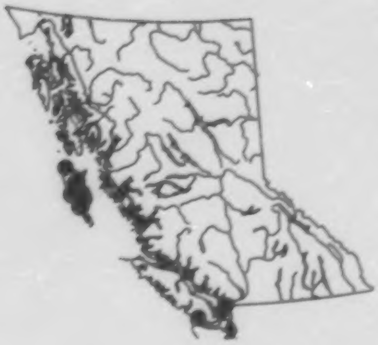
Campanula scouleri



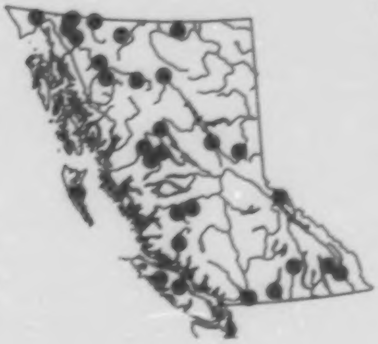
Campanula uniflora



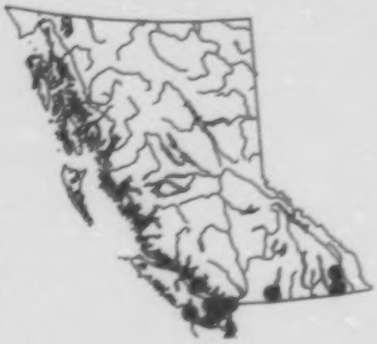
Capsella bursa-pastoris



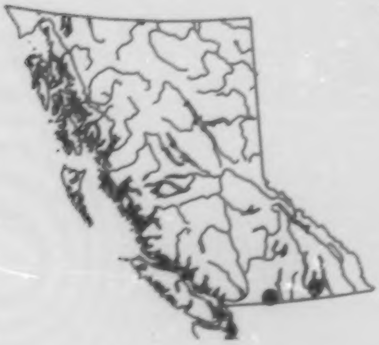
Cardamine angulata



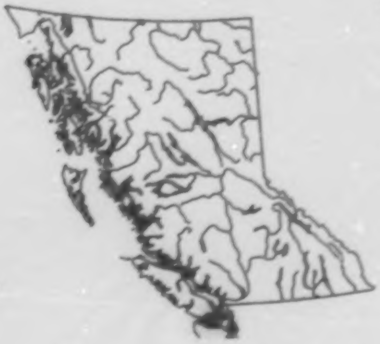
Cardamine bellidifolia
var. bellidifolia



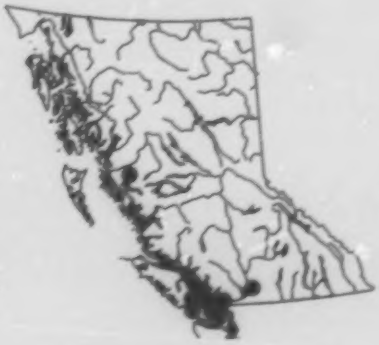
Cardamine breweri sensu lato



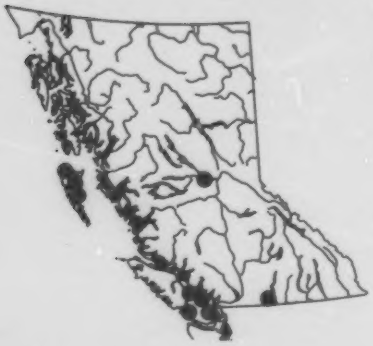
Cardamine cordifolia var. lyallii



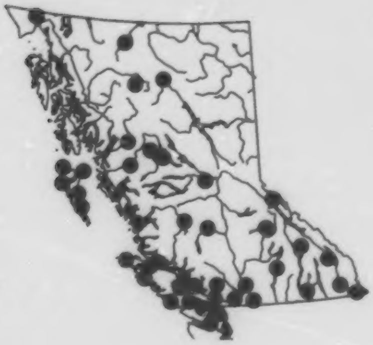
Cardamine hirsuta



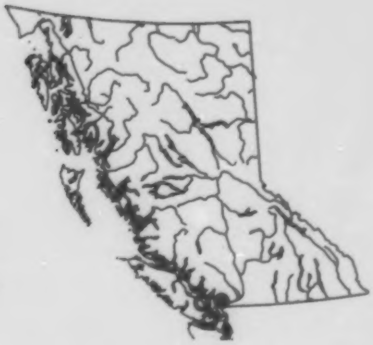
Cardamine nuttallii
var. nuttallii



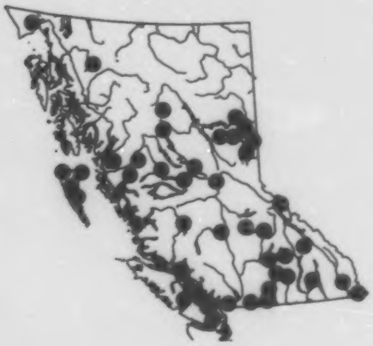
Cardamine occidentalis



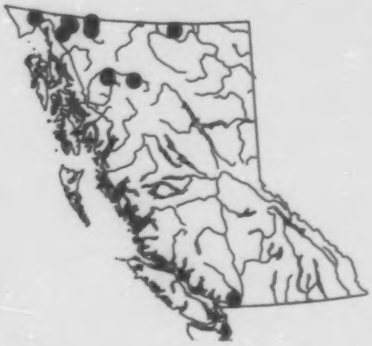
Cardamine oligosperma
sensu lato



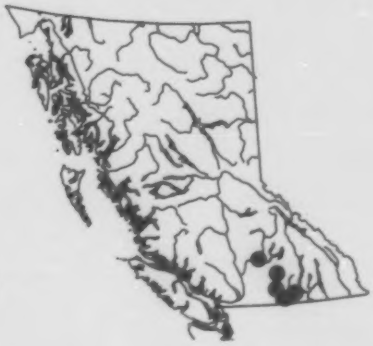
Cardamine parviflora
var. *arenicola*



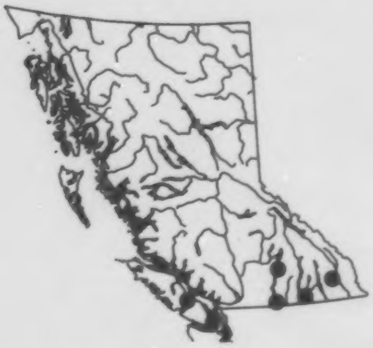
Cardamine pensylvanica



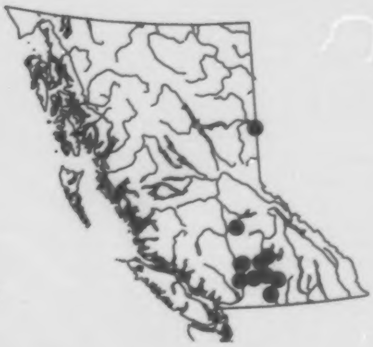
Cardamine pratensis
var. *angustifolia*



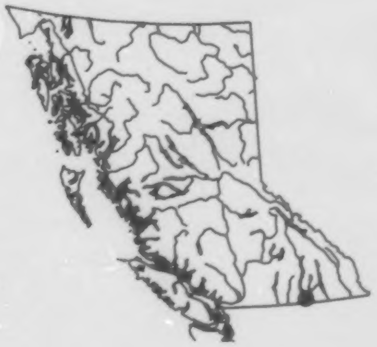
Cardaria draba ssp. *chalapensis*



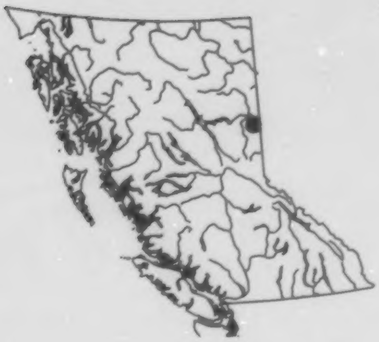
Cardaria draba ssp. *draba*



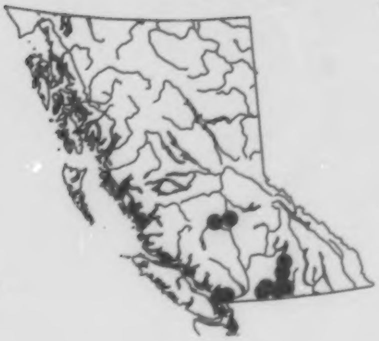
Cardaria pubescens



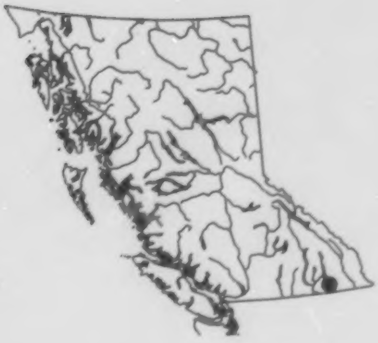
Carduus acanthoides



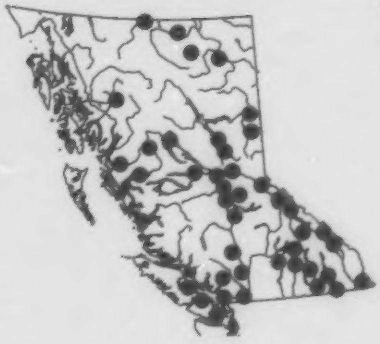
Carduus crispus



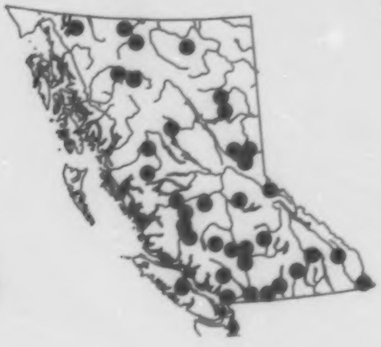
Carduus nutans
ssp. leiophyllus



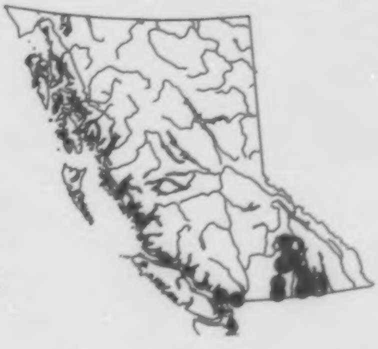
Carex adusta



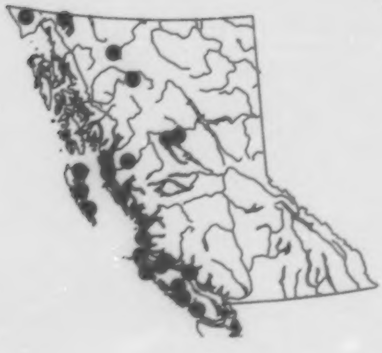
Carex aenea



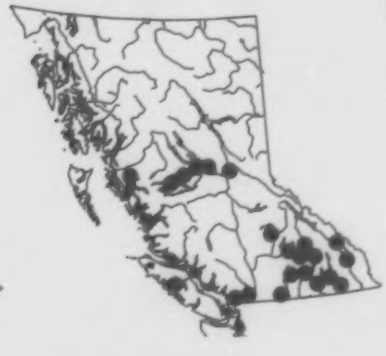
Carex albonigra



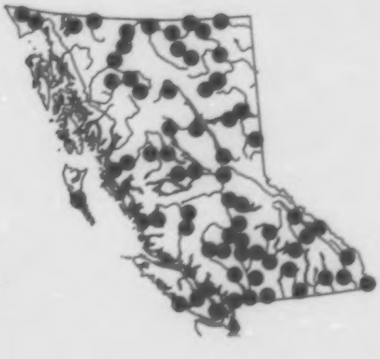
Carex amplifolia



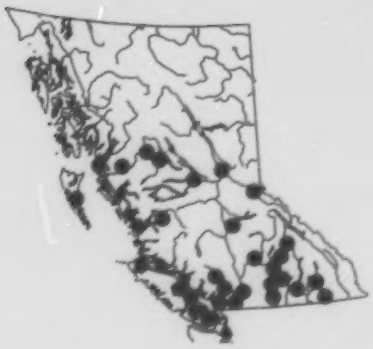
Carex anthoxanthea



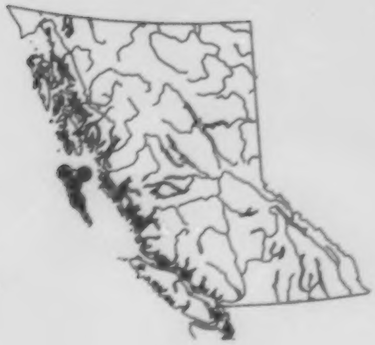
Carex aperta



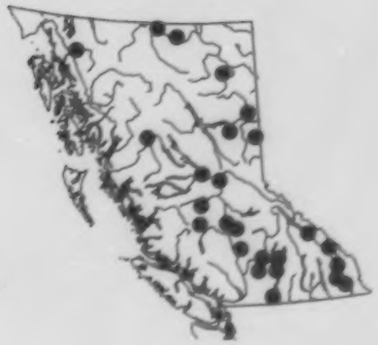
Carex aquatilis sensu lato



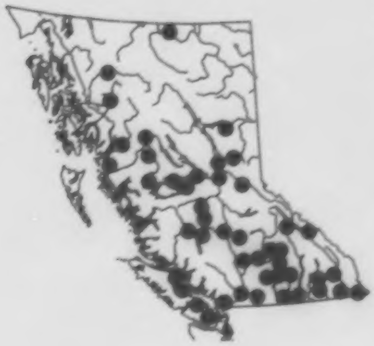
Carex arcta



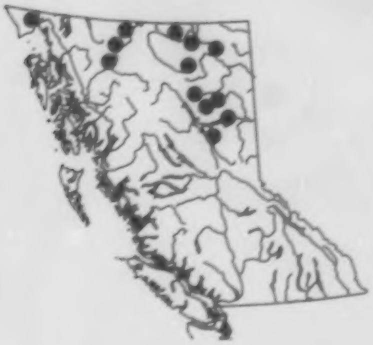
Carex arctiformis



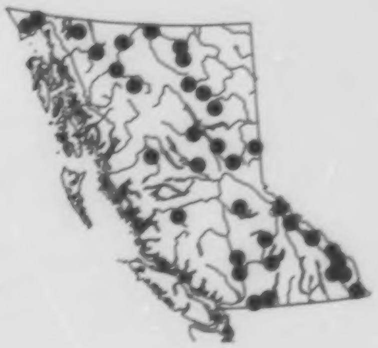
Carex atherodes



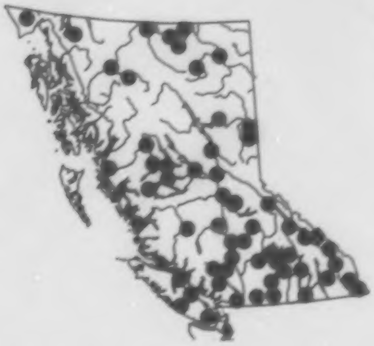
Carex athrostachya



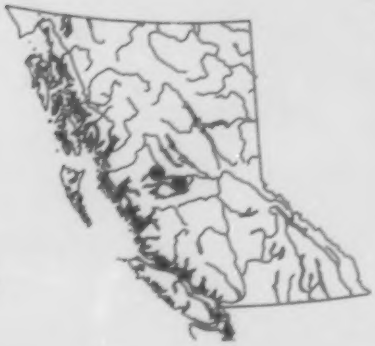
Carex atratiformis



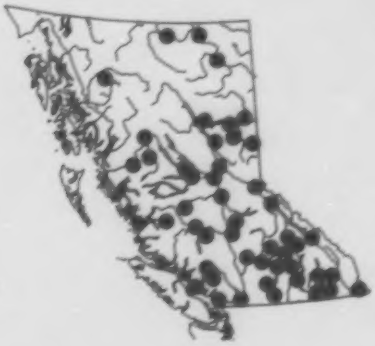
Carex atrosquama



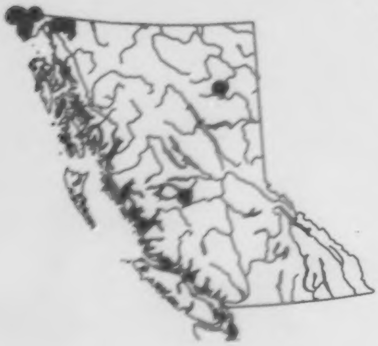
Carex aurea



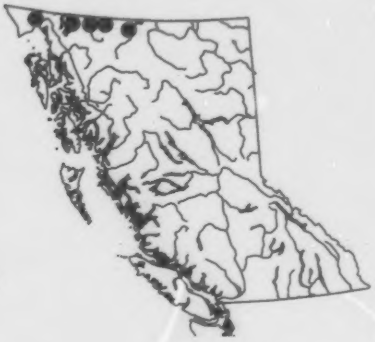
Carex bachii



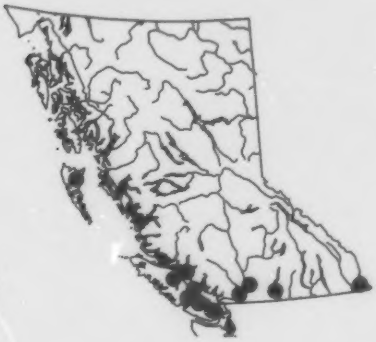
Carex bebbii



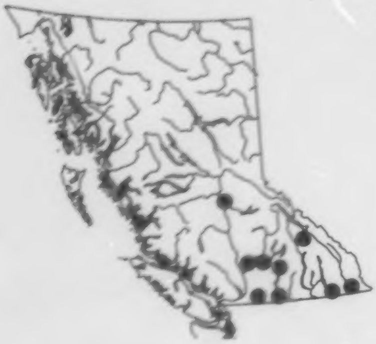
Carex bicolor



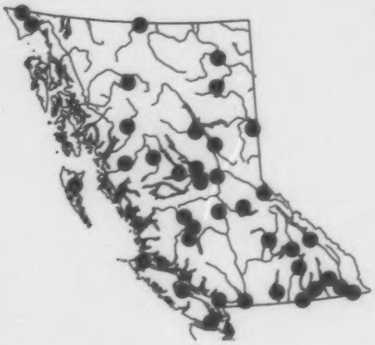
Carex bigelowii



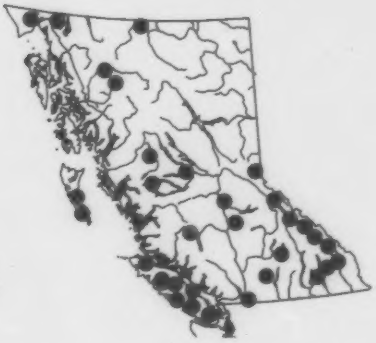
Carex brevicaulis



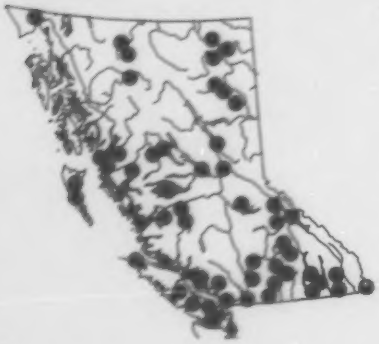
Carex brevior



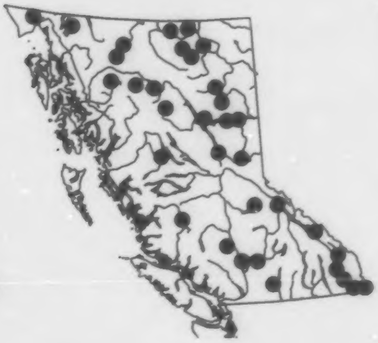
Carex brunnescens sensu lato



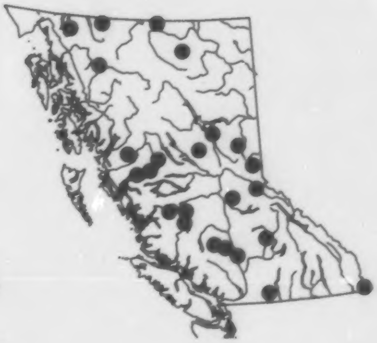
Carex buxbaumii



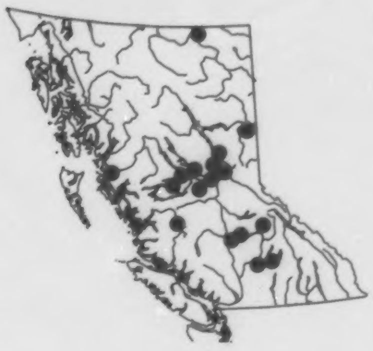
Carex canescens



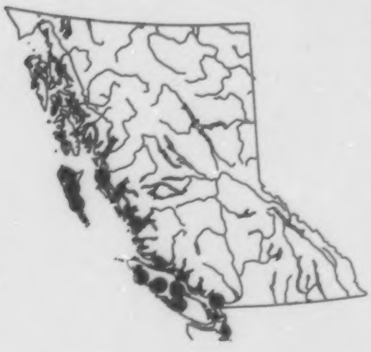
Carex capillaris



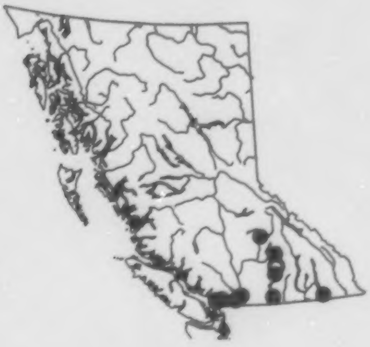
Carex capitata



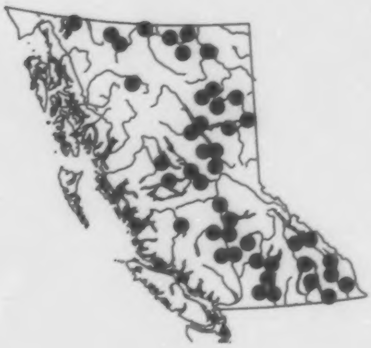
Carex chordorrhiza



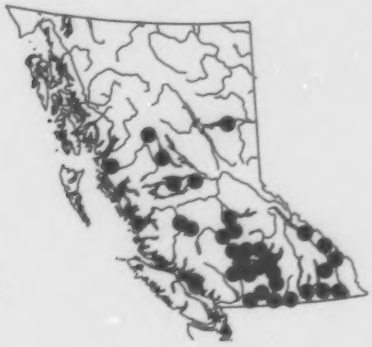
Carex circinata



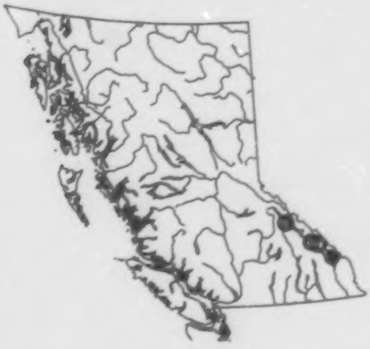
Carex comosa



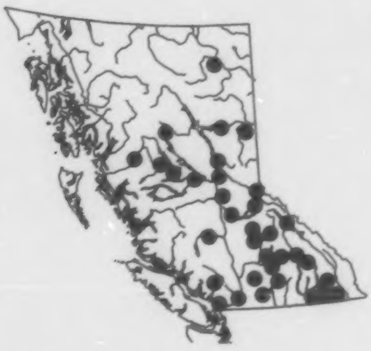
Carex concinna



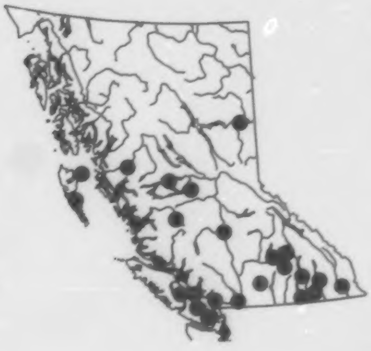
Carex concinnoides



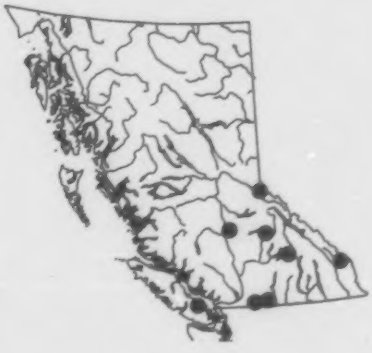
Carex crawei



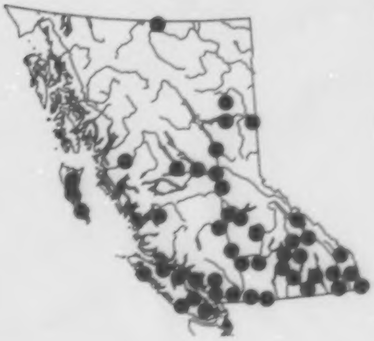
Carex crawfordii



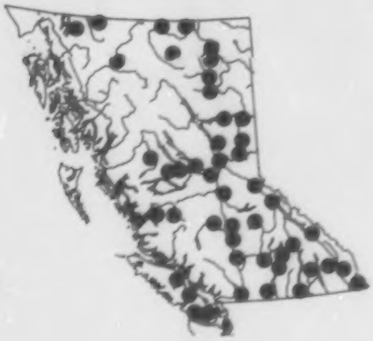
Carex cusickii



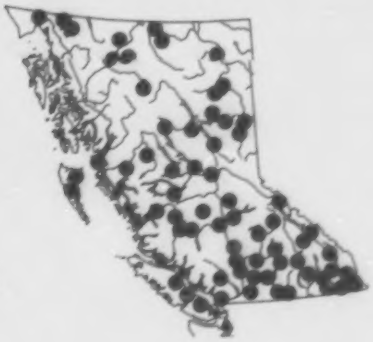
Carex deflexa



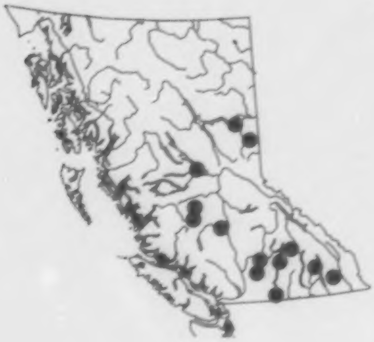
Carex deweyana sensu lato



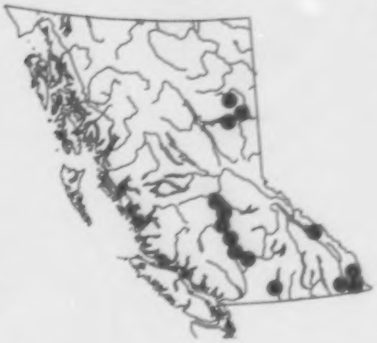
Carex diandra



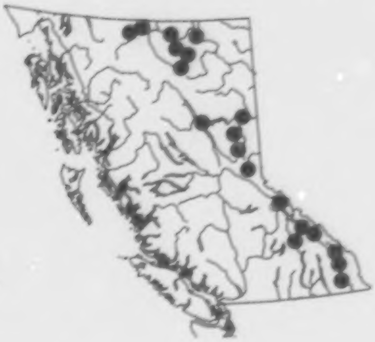
Carex disperma



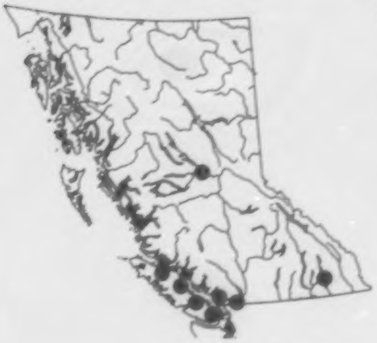
Carex douglasii



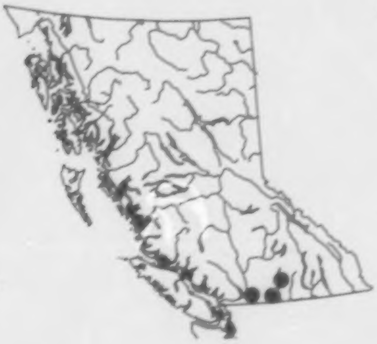
Carex duriuscula



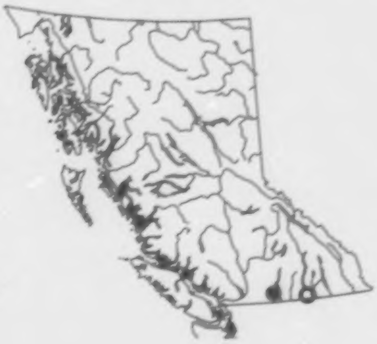
Carex eburnea



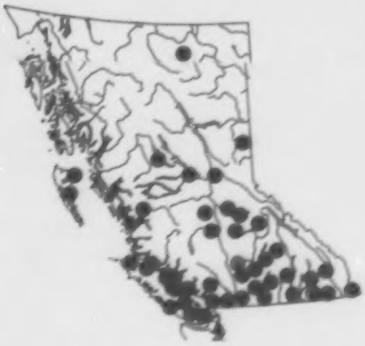
Carex echinata sensu lato



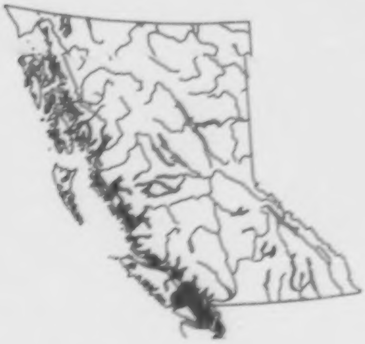
Carex engelmannii



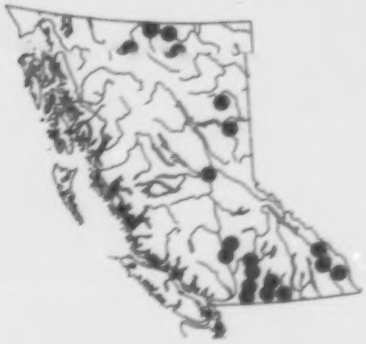
Carex epapillosa



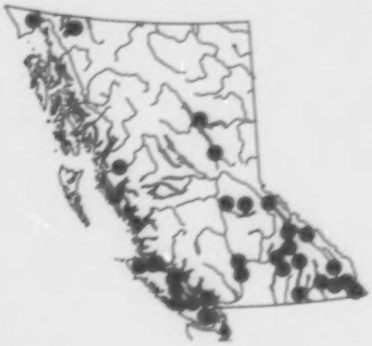
Carex exsiccata



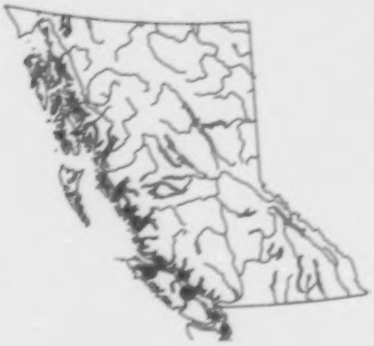
Carex feta



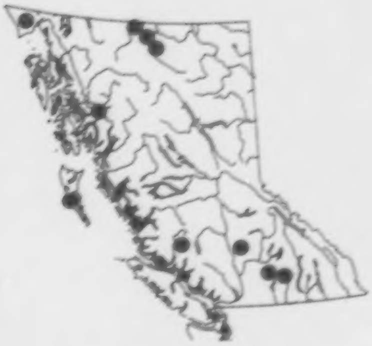
Carex filifolia



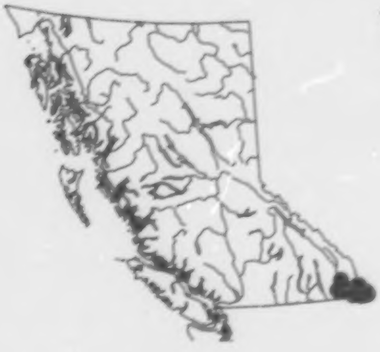
Carex flava



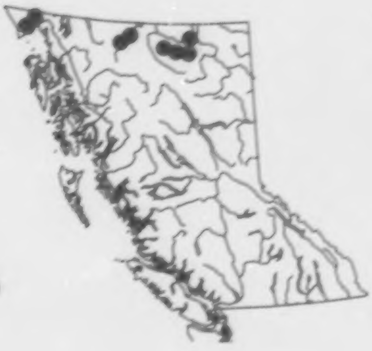
Carex garberi ssp. *bifaria*



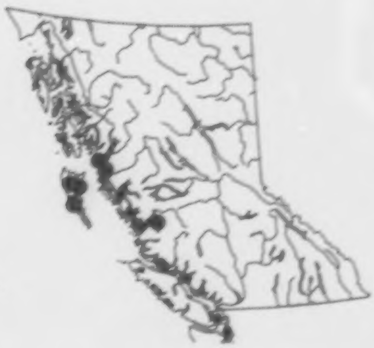
Carex garberi ssp. *garberi*



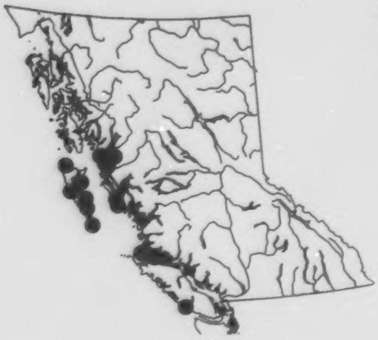
Carex geyeri



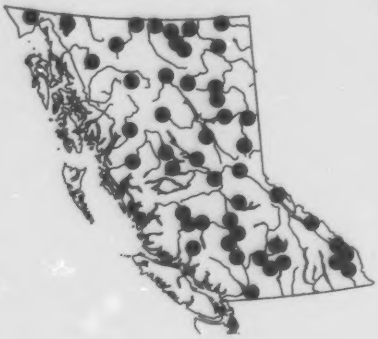
Carex glacialis



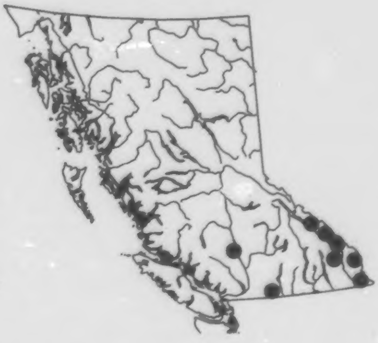
Carex glareosa
var. *amphigena*



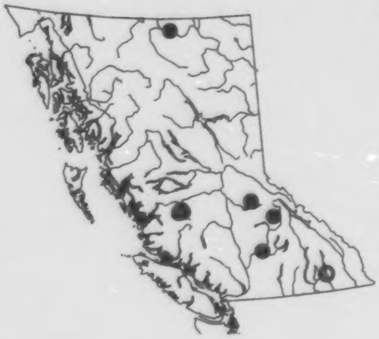
Carex gmelinii



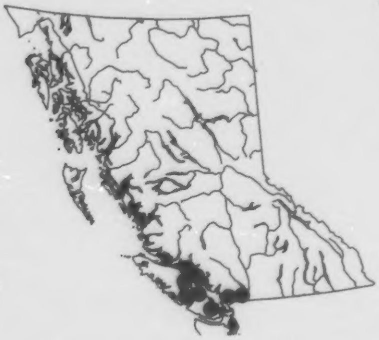
Carex gynocrates



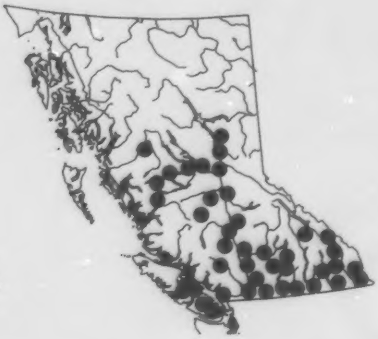
Carex haydeniana



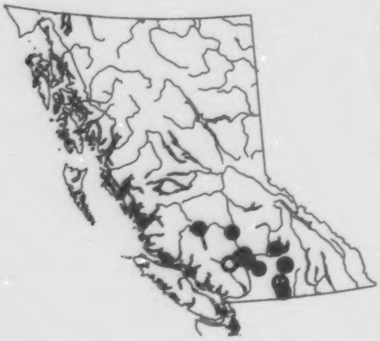
Carex heleonastes



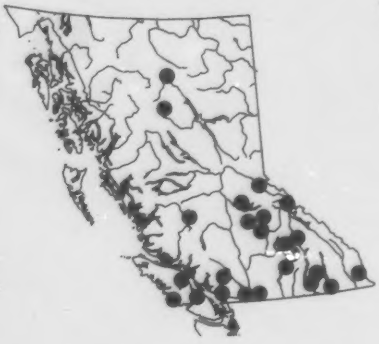
Carex hendersonii



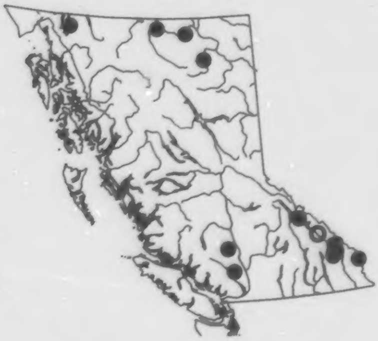
Carex hoodii



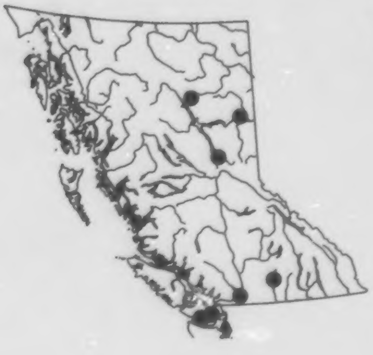
Carex hystricina



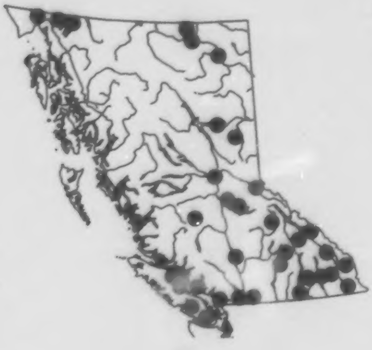
Carex illota



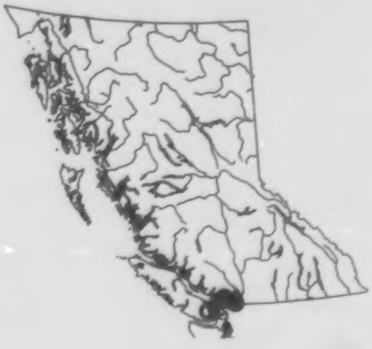
Carex incurviformis
var. *incurviformis*



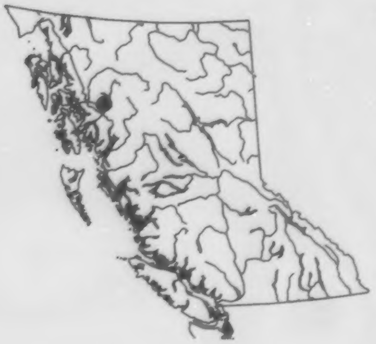
Carex inops sensu lato



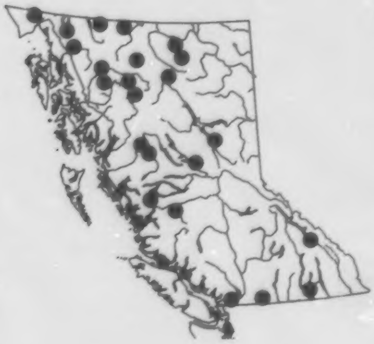
Carex interior



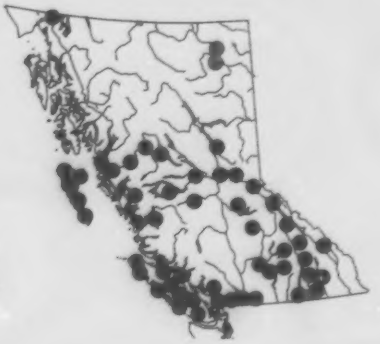
Carex interrupta



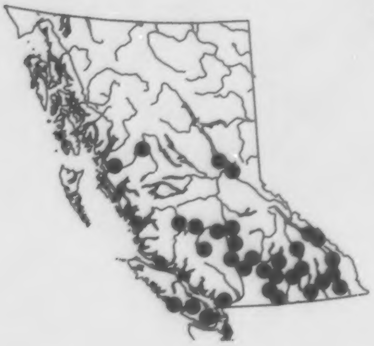
Carex krausei



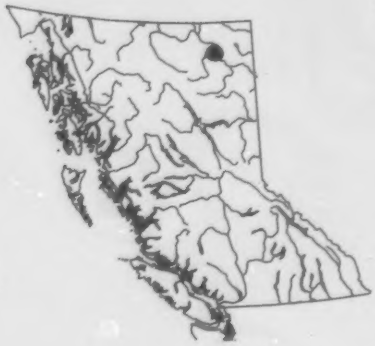
Carex lachenalii



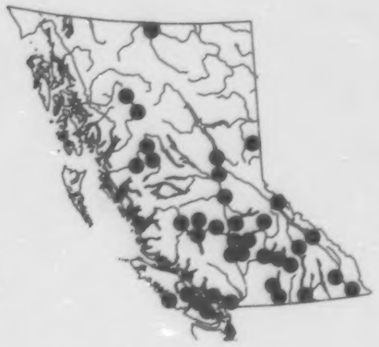
Carex laeviculmis



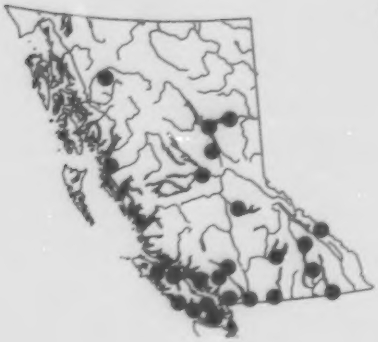
Carex lanuginosa



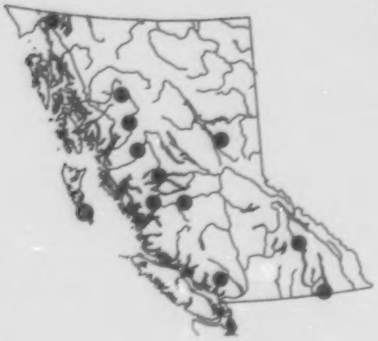
Carex lapponica



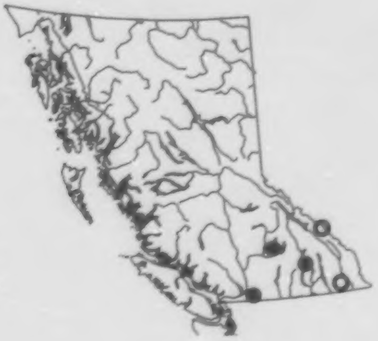
Carex lasiocarpa ssp. *americana*



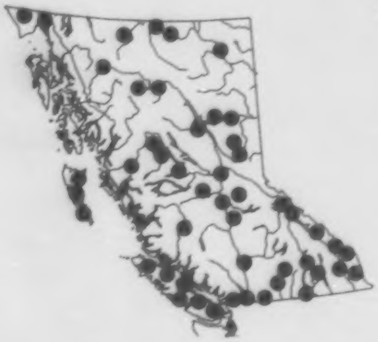
Carex lenticularis var. *limnophila* and var. *lipocarpa*



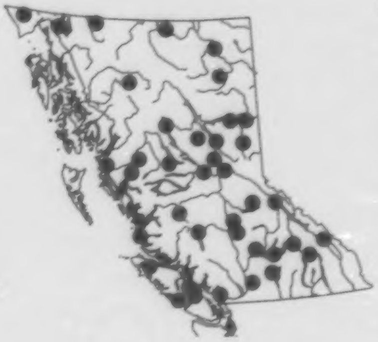
Carex lenticularis var. *dolia*



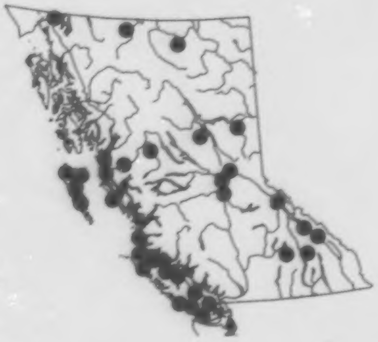
Carex lenticularis var. *lenticularis*



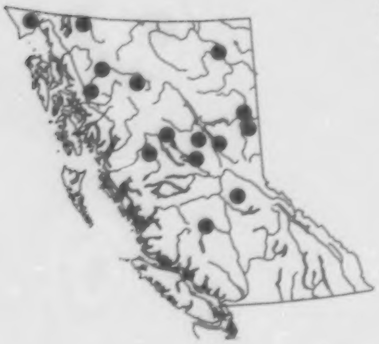
Carex leptalea sensu lato



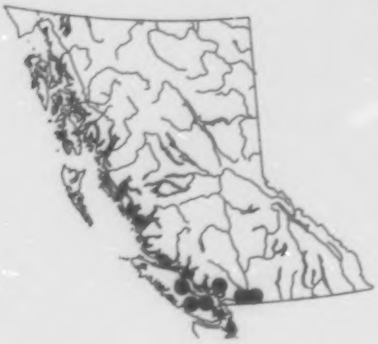
Carex limosa



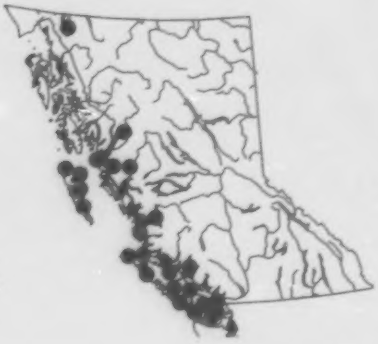
Carex livida var. *radicaulis*



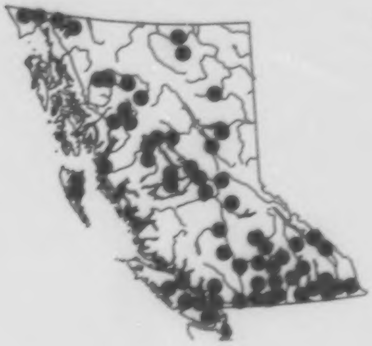
Carex loliacea



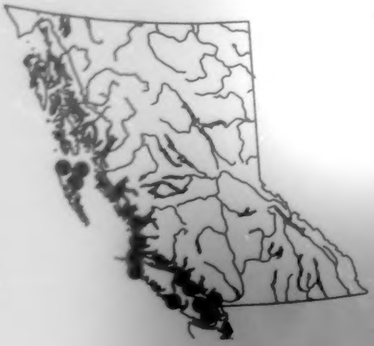
Carex luzulina var. *ablata*



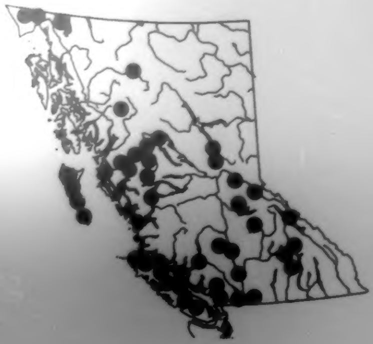
Carex lyngbyei ssp. *cryptocarpa*



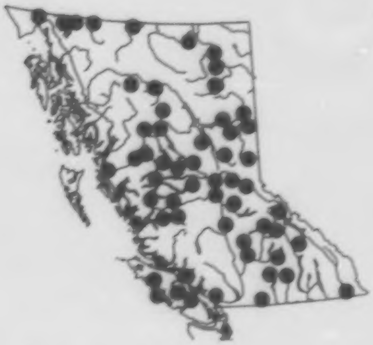
Carex macloviana



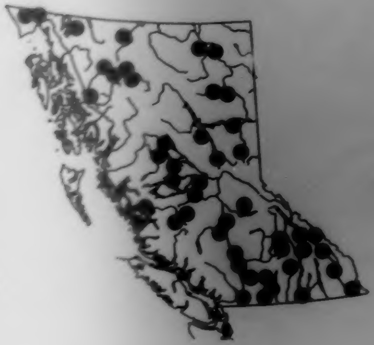
Carex macrocephala



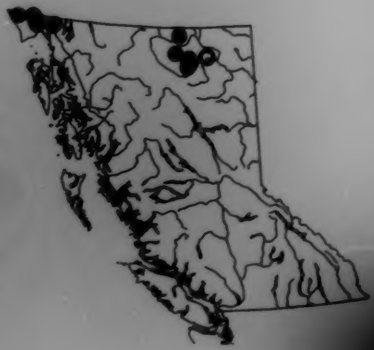
Carex macrochaeta



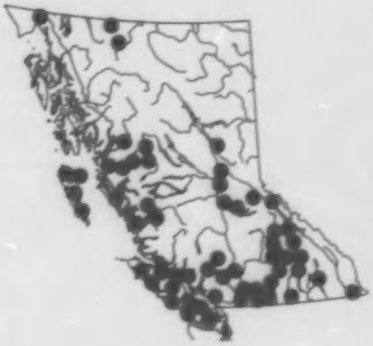
Carex magellanica
ssp. irrigua



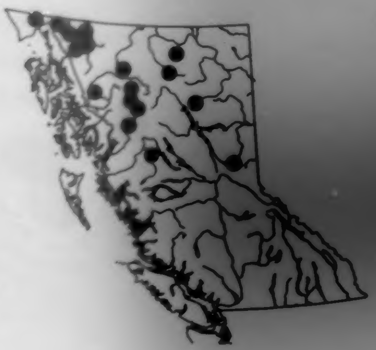
Carex media



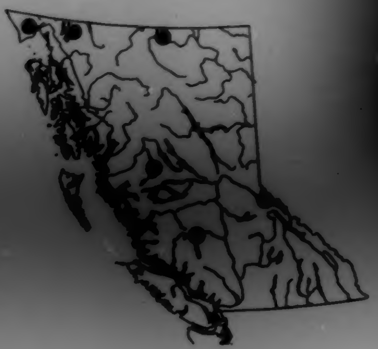
Carex membranacea



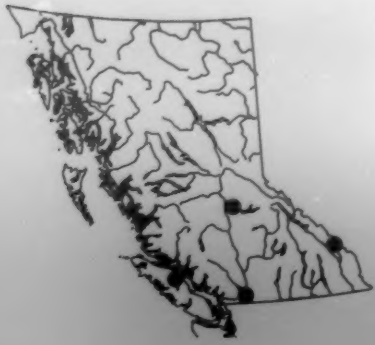
Carex mertensii



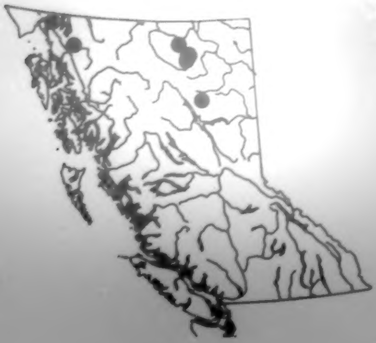
Carex microchaeta
ssp. microchaeta



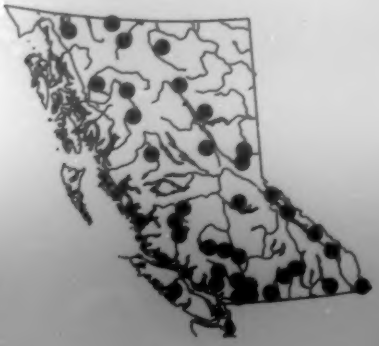
Carex microglochin



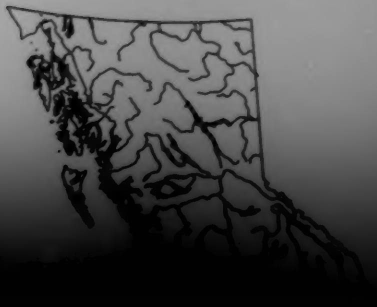
Carex microptera

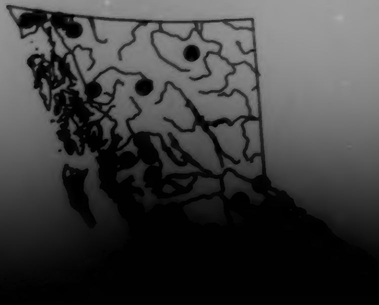


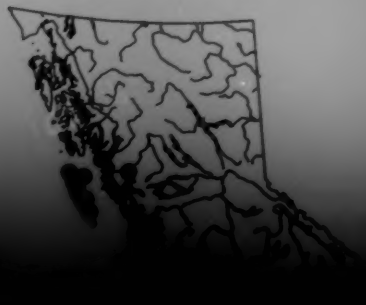
Carex misandra



Carex nardina

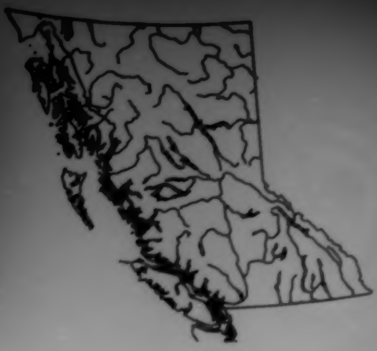




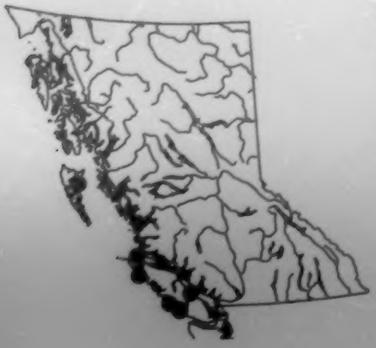


Carex obtusata

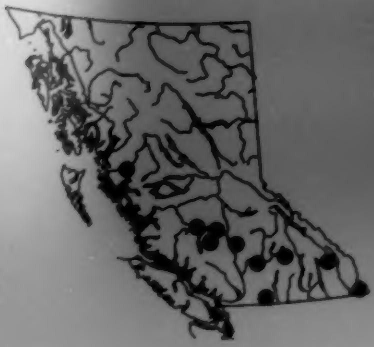
Carex pachystachya



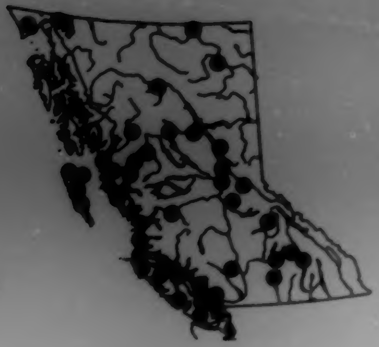
Carex pallescens



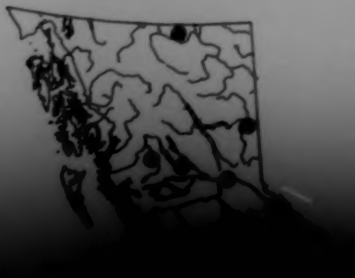
Carex pansa

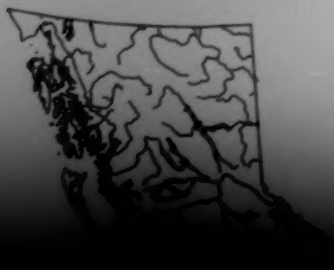


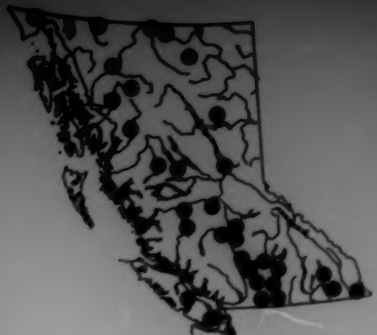
Carex parryana



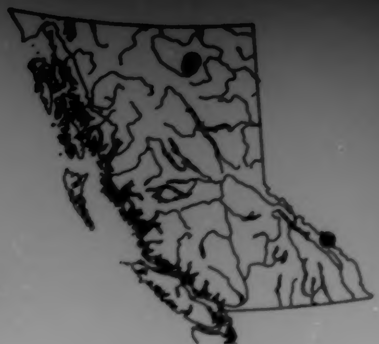
Carex pauciflora



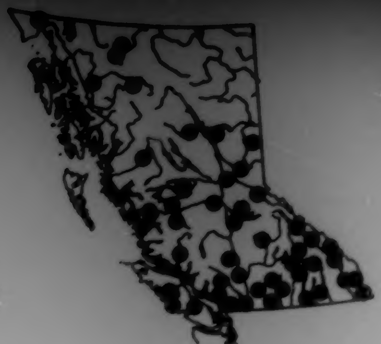




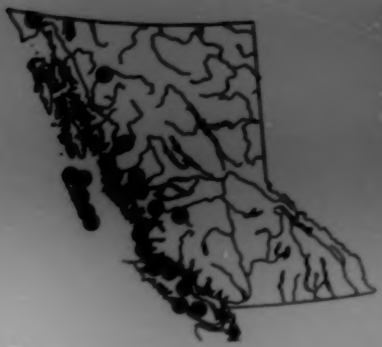
Carex petasata



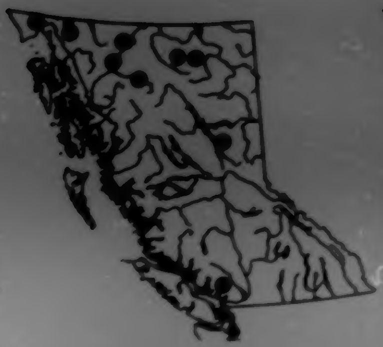
Carex petricosa



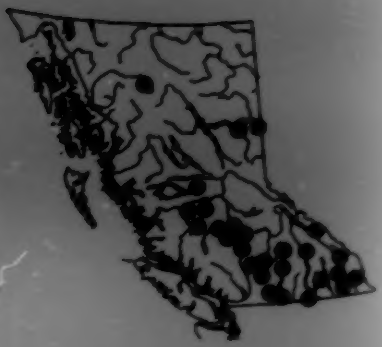
Carex phaeocephala



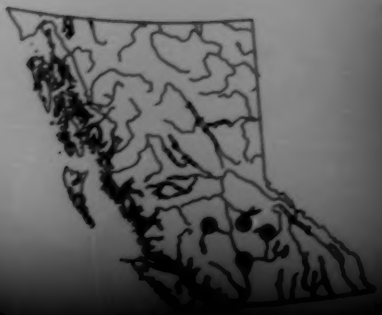
Carex pluriflora



Carex podocarpa



Carex praegracilis



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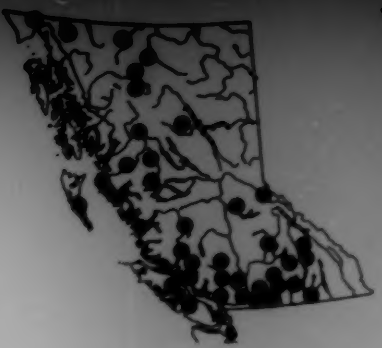
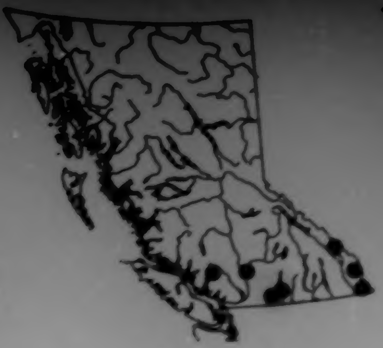
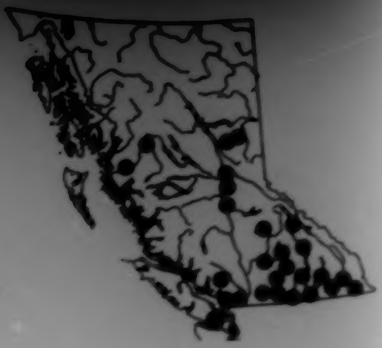


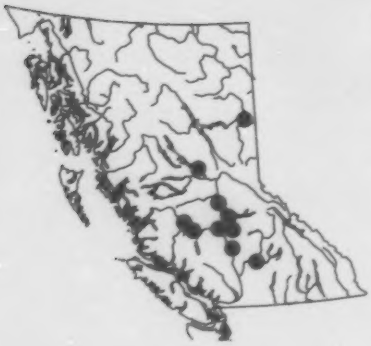
Carex pyrenaica
ssp. micropoda



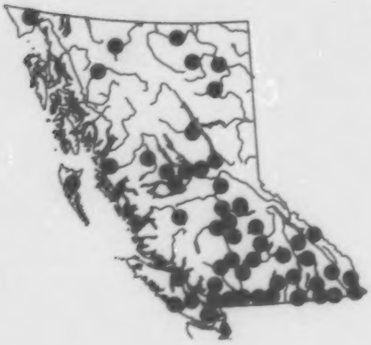
Carex raynoldsii



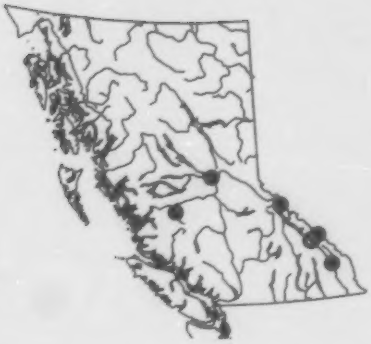
Carex retrorsa



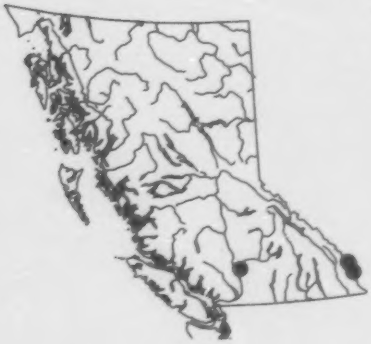
Carex richardsonii



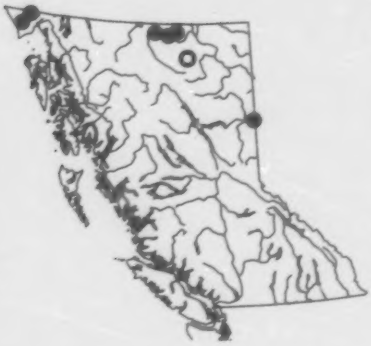
Carex rossii



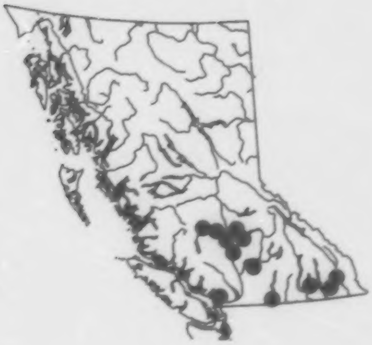
Carex rostrata



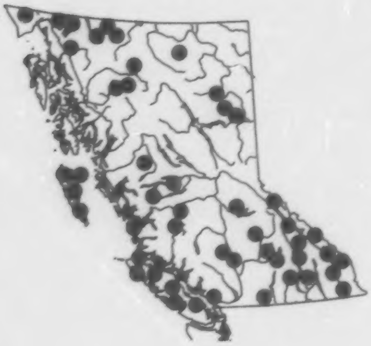
Carex rupestris
ssp. *drummondiana*



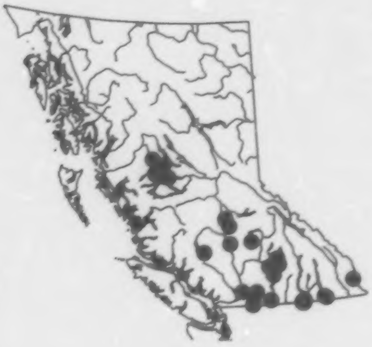
Carex rupestris
ssp. *rupestris*



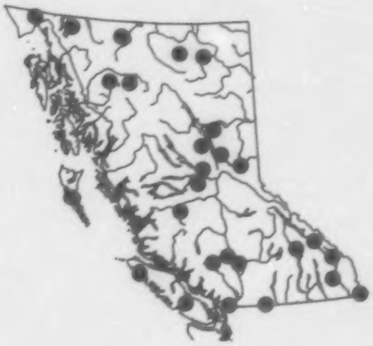
Carex sartwellii
var. *sartwellii*



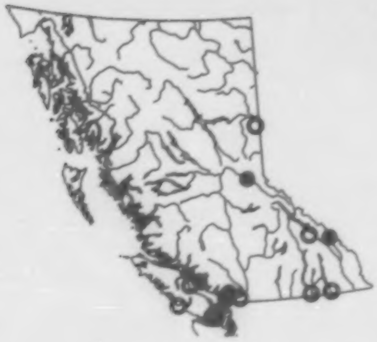
Carex saxatilis ssp. *laxa*



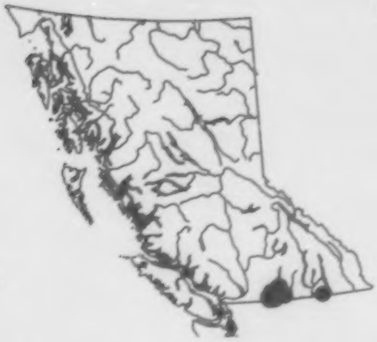
Carex saximontana



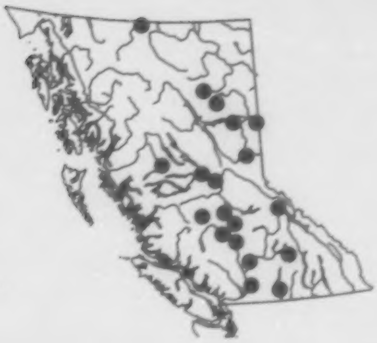
Carex scirpoidea sensu lato



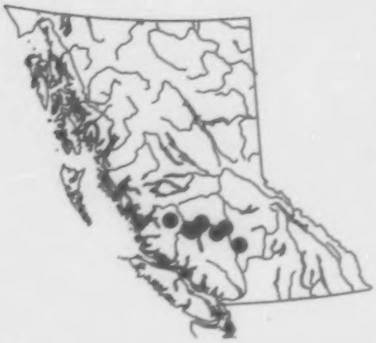
Carex scoparia



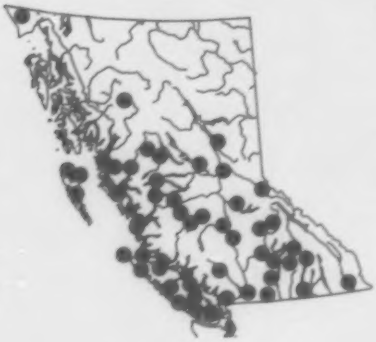
Carex scopulorum
var. *bracteosa*



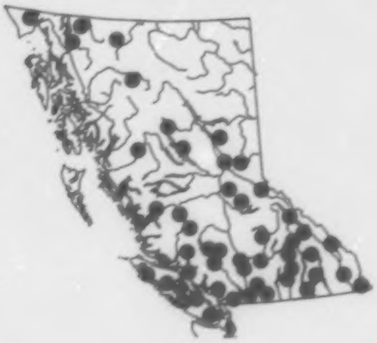
Carex siccata



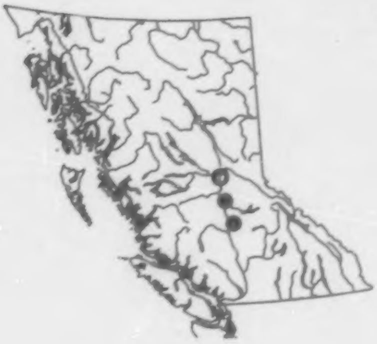
Carex simulata



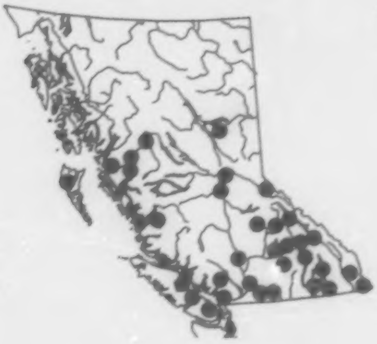
Carex sitchensis



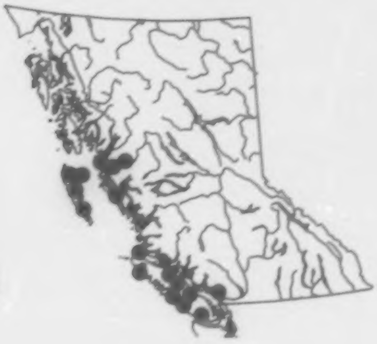
Carex spectabilis



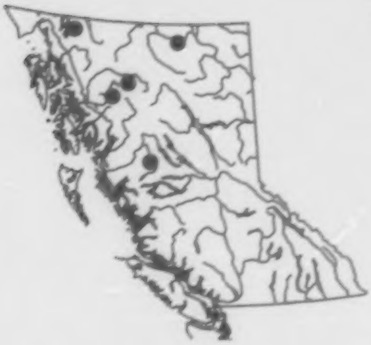
Carex sprengelii



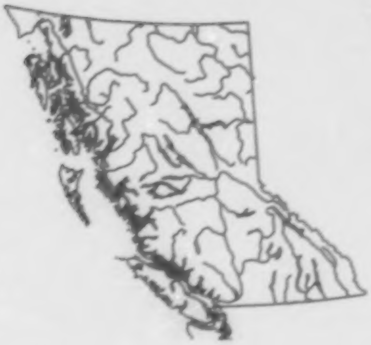
Carex stipata var. *stipata*



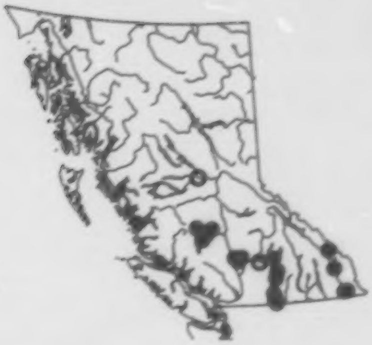
Carex stylosa



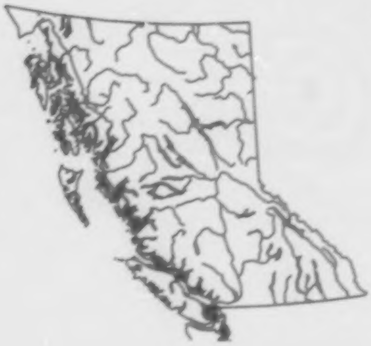
Carex supina
ssp. *spaniocarpa*



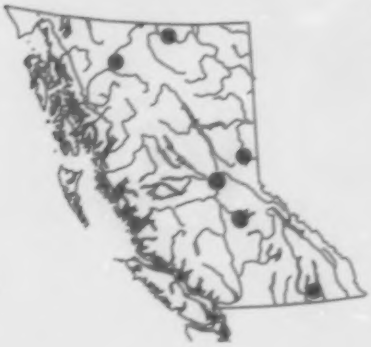
Carex swanii



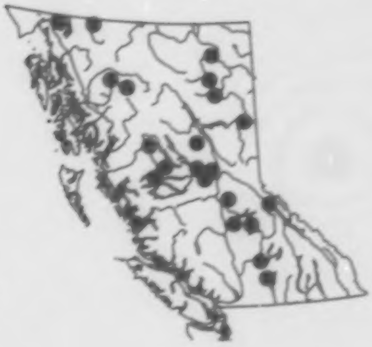
Carex sychnocephala



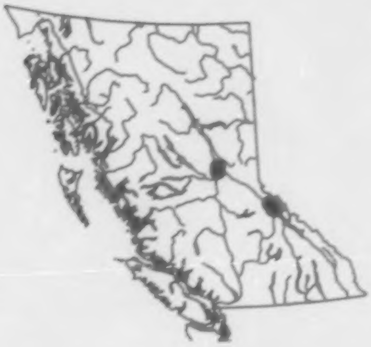
Carex sylvatica



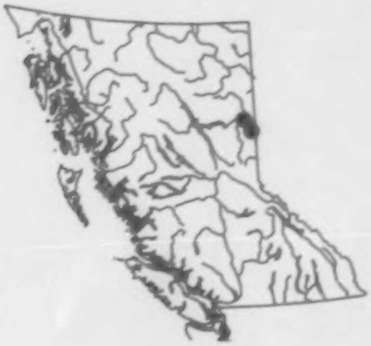
Carex tenera



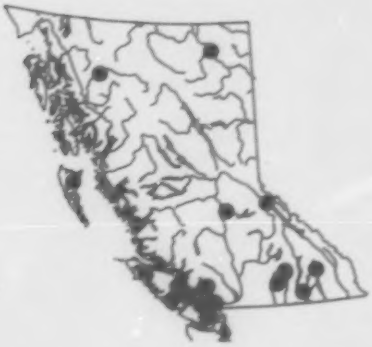
Carex tenuiflora



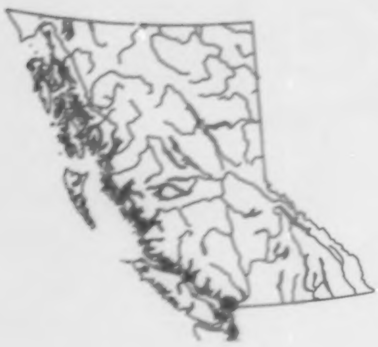
Carex tonsa var. *tonsa*



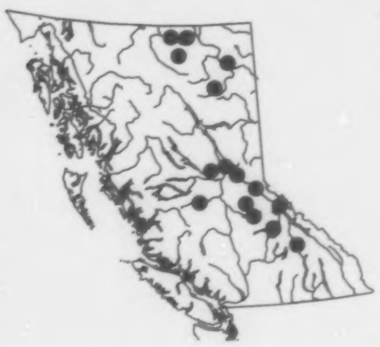
Carex torreyi



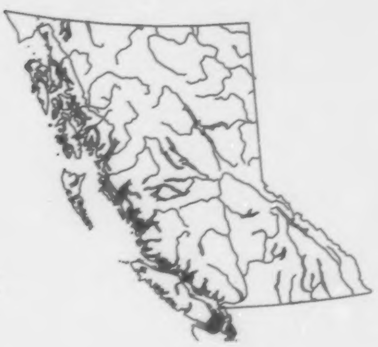
Carex tracyi



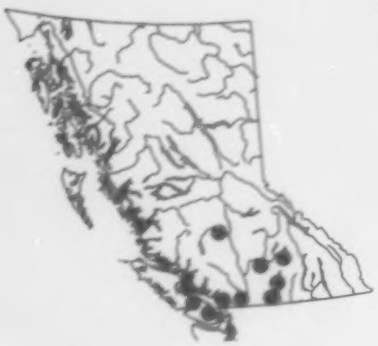
Carex tribuloides



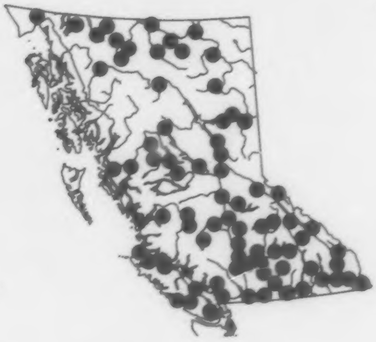
Carex trisperma



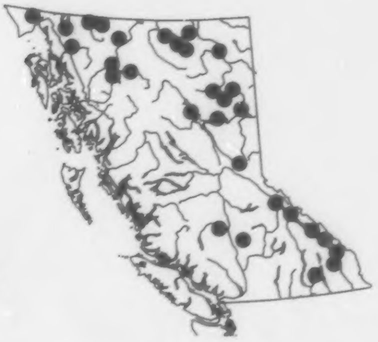
Carex tumulicola



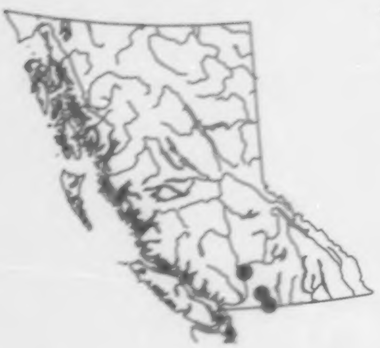
Carex unilateralis



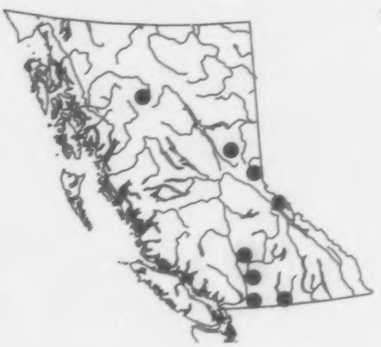
Carex utriculata



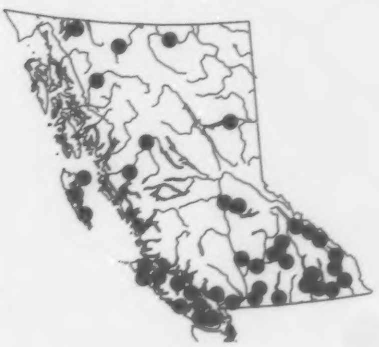
Carex vaginata



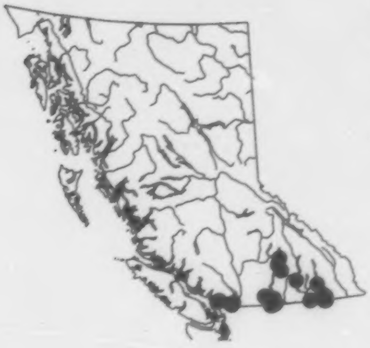
Carex vallicola var. *vallicola*



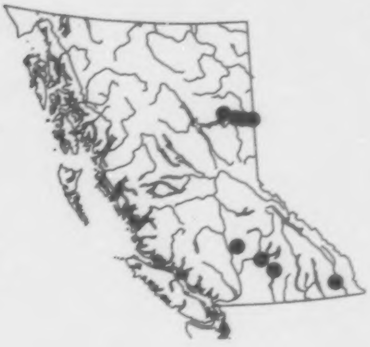
Carex vesicaria



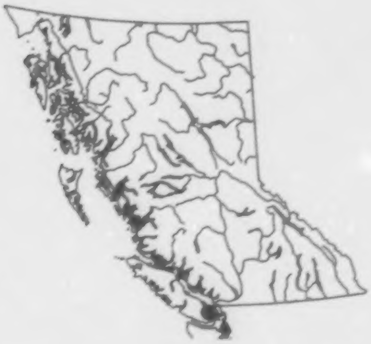
Carex viridula
ssp. *viridula*



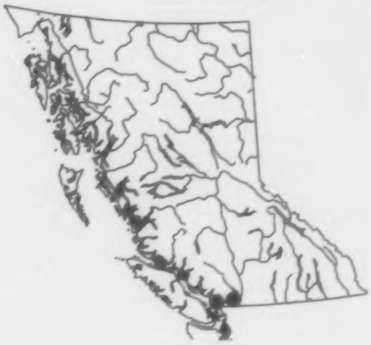
Carex vulpinoidea



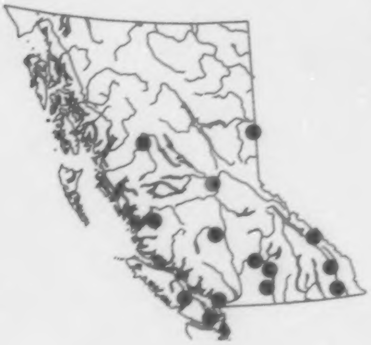
Carex xerantica



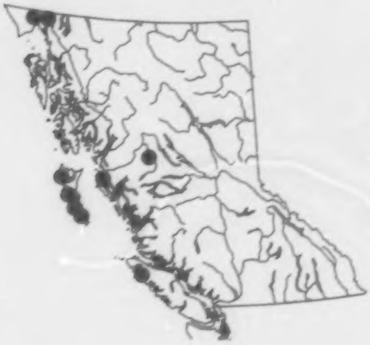
Carthamus lanatus
ssp. baeticus



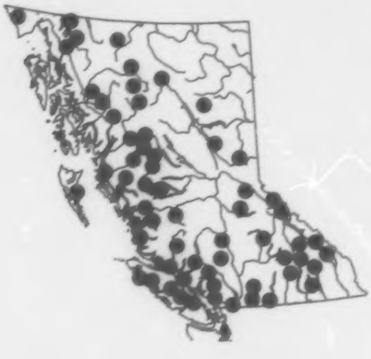
Carthamus tinctorius



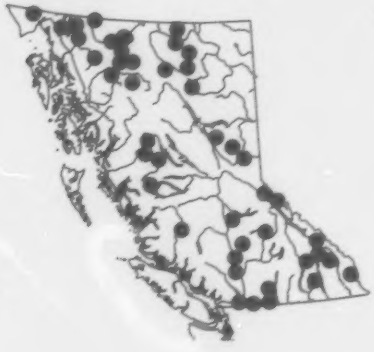
Carum carvi



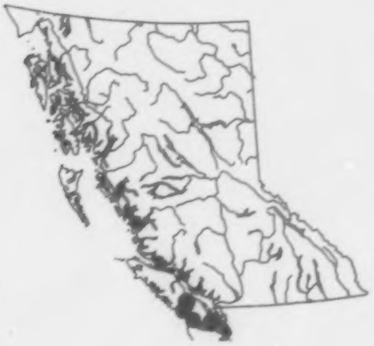
Cassiope lycopodioides



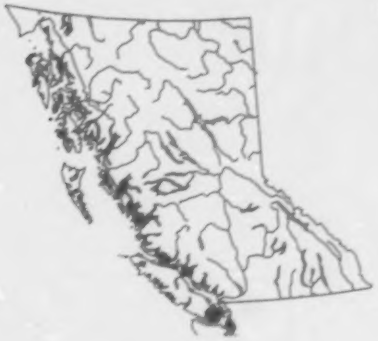
Cassiope mertensiana
var. mertensiana



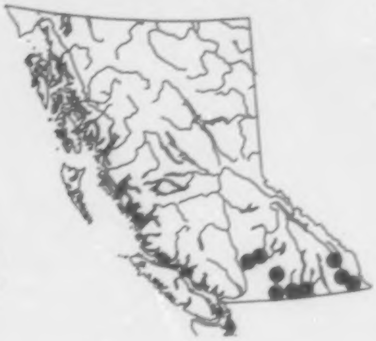
Cassiope tetragona
sensu lato



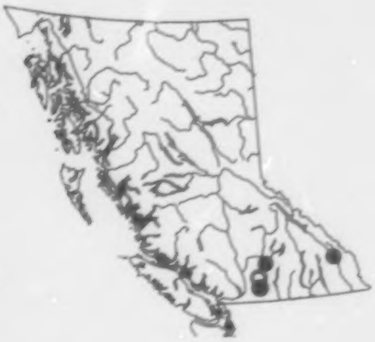
Castilleja ambigua
ssp. ambigua



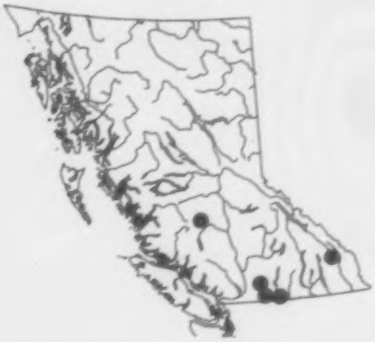
Castilleja attenuata



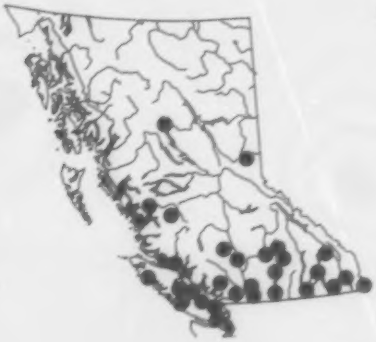
Castilleja cervina



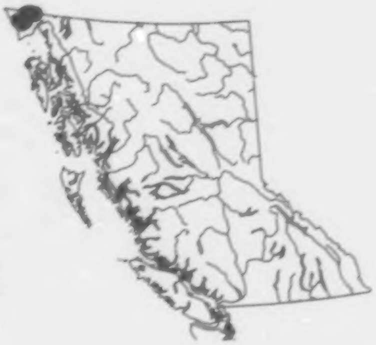
Castilleja cusickii



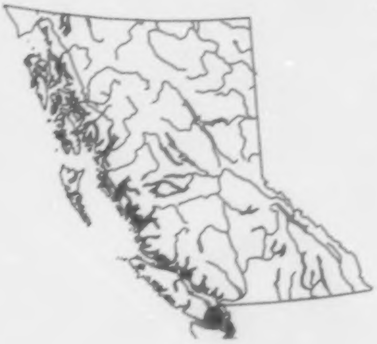
Castilleja elmeri



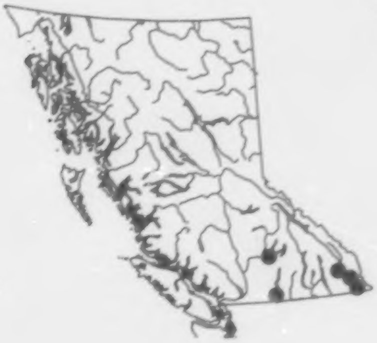
Castilleja hispida var. *hispida*



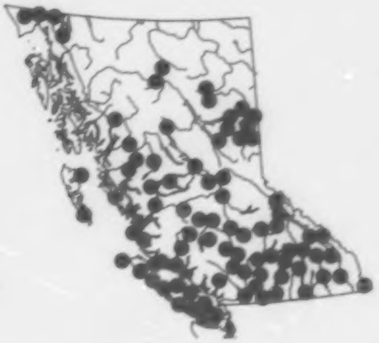
Castilleja hyperborea



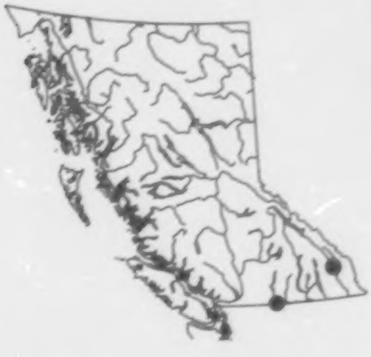
Castilleja levisecta



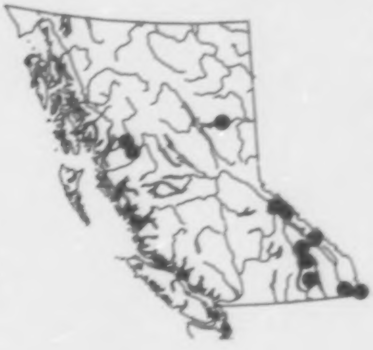
Castilleja lutescens



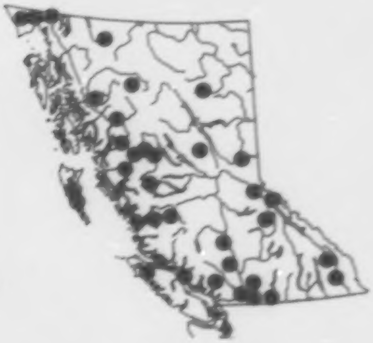
Castilleja miniata



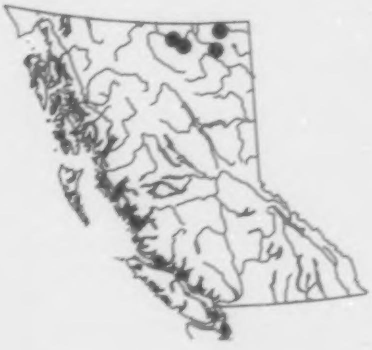
Castilleja minor ssp. *minor*



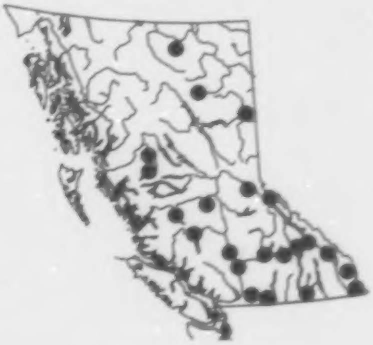
Castilleja occidentalis



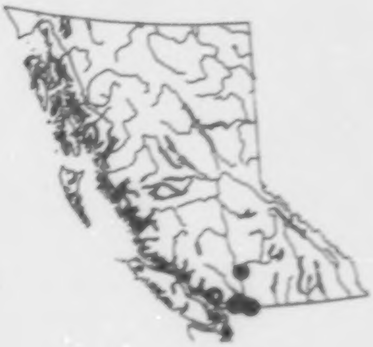
Castilleja parviflora



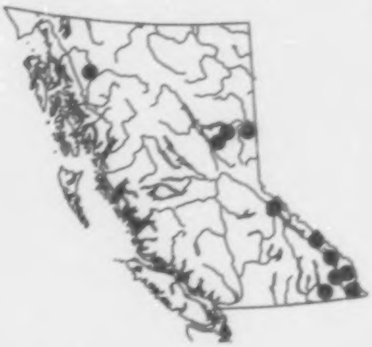
Castilleja raupii



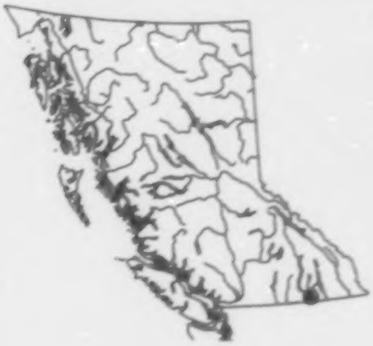
Castilleja rhexiifolia



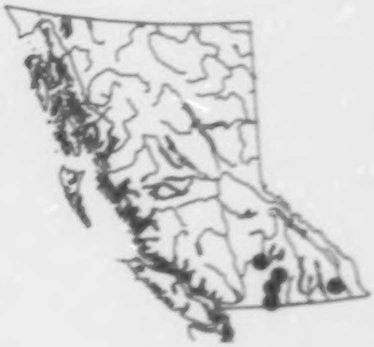
Castilleja rupicola



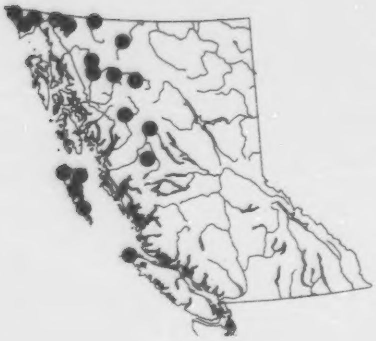
Castilleja sulphurea



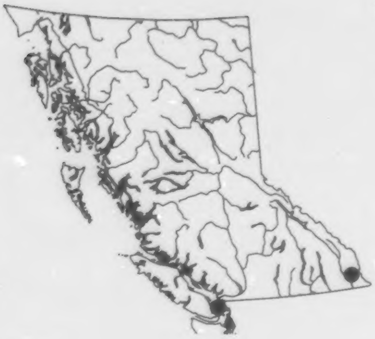
Castilleja tenuis



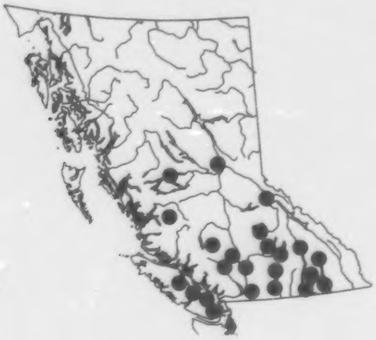
Castilleja thompsonii



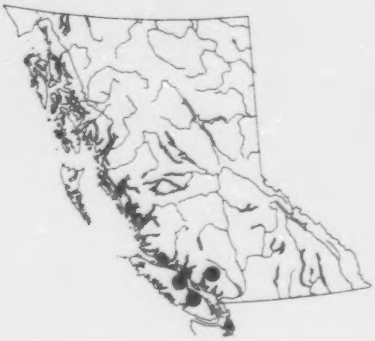
Castilleja unalaschcensis



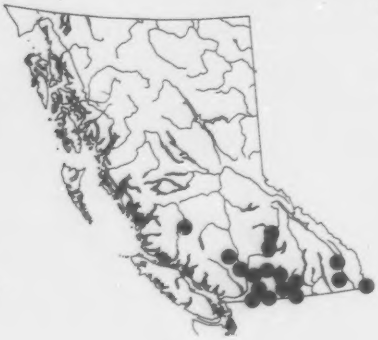
Catabrosa aquatica var. *aquatica*



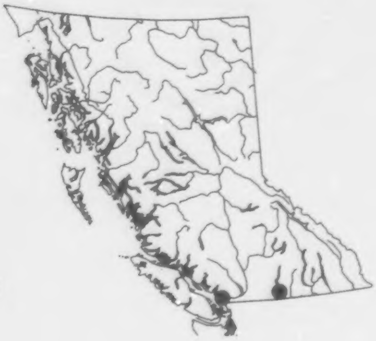
Ceanothus sanguineus



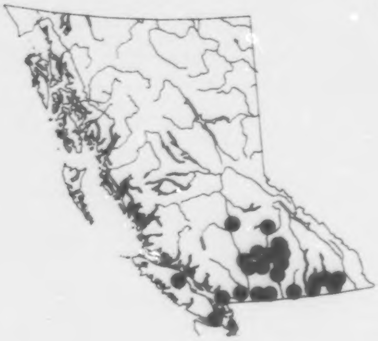
Ceanothus velutinus var. *hookeri*



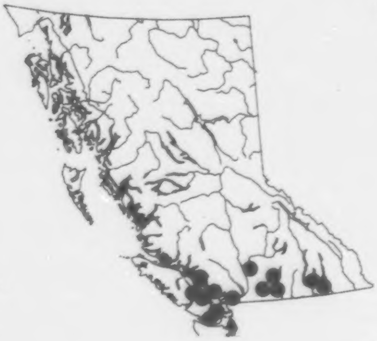
Ceanothus velutinus var. *velutinus*



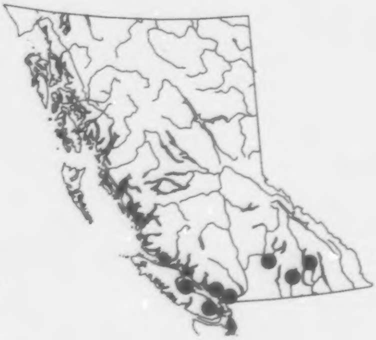
Cenchrus longispinus



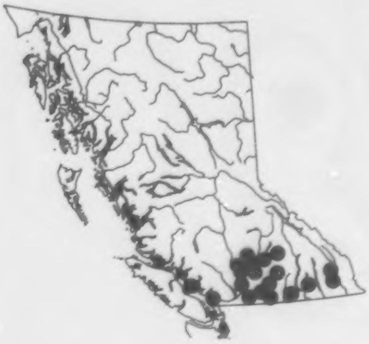
Centaurea biebersteinii



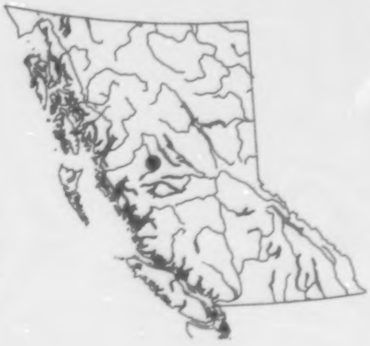
Centaurea cyanus



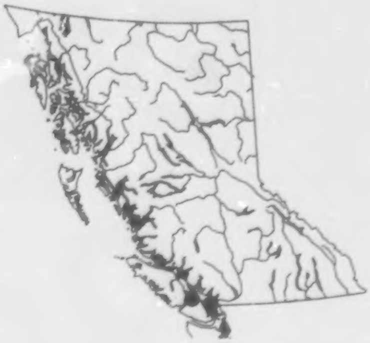
Centaurea debeauxii



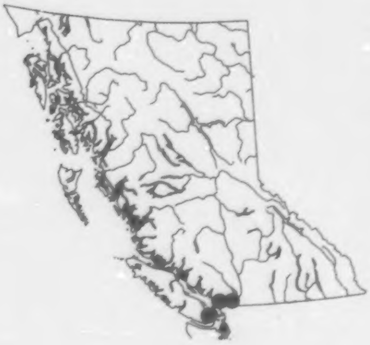
Centaurea diffusa



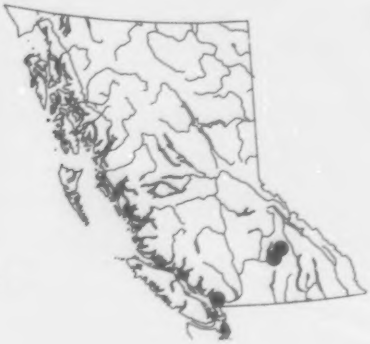
Centaurea jacea



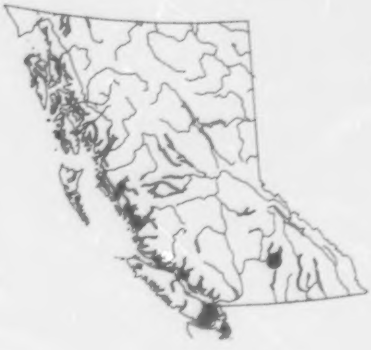
Centaurea melitensis



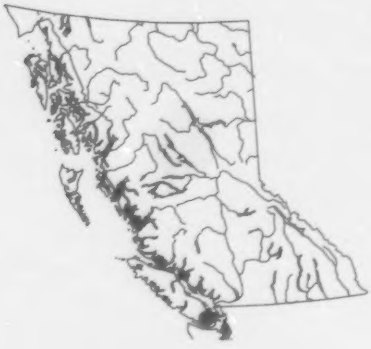
Centaurea montana



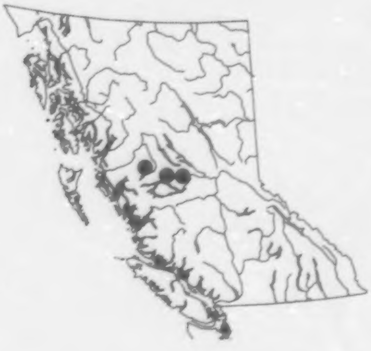
Centaurea nigra



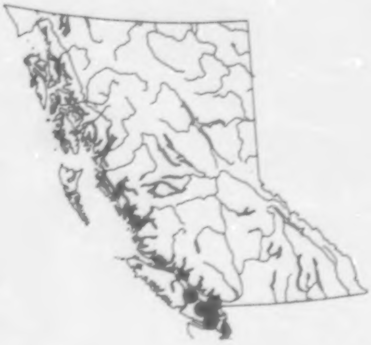
Centaurea nigrescens



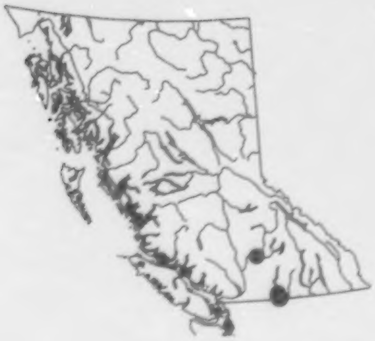
Centaurea paniculata



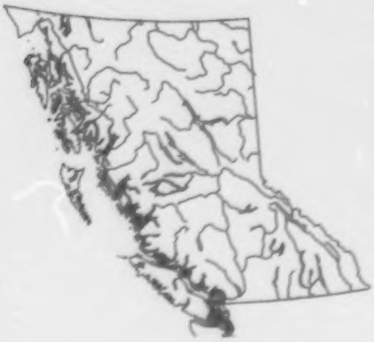
Centaurea scabiosa



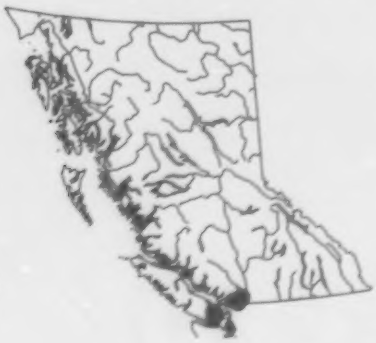
Centaurium erythraea



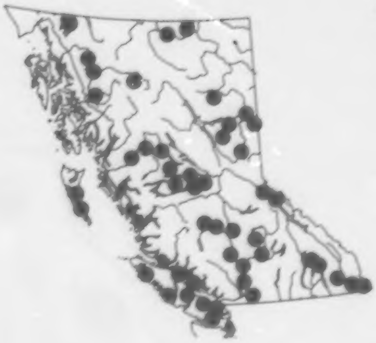
Centaurium exaltatum



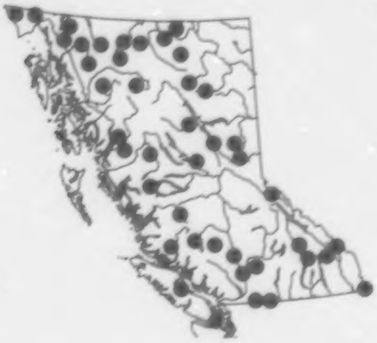
Centaurium muehlenbergii



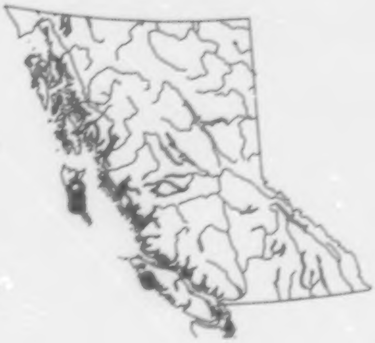
Cephalanthera austiniae



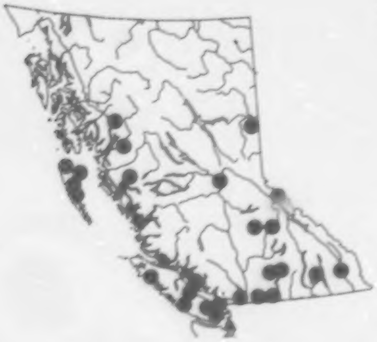
Cerastium arvense



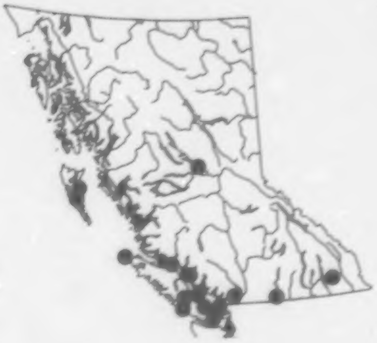
Cerastium beeringianum
sensu lato



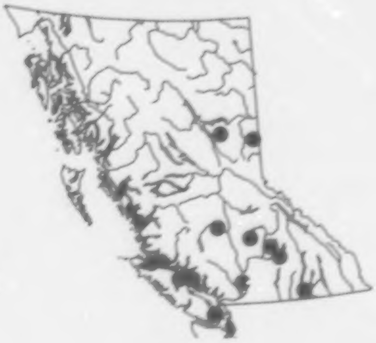
Cerastium fischerianum



Cerastium fontanum
ssp. *triviale*



Cerastium glomeratum



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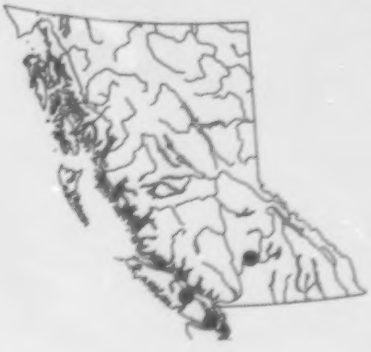
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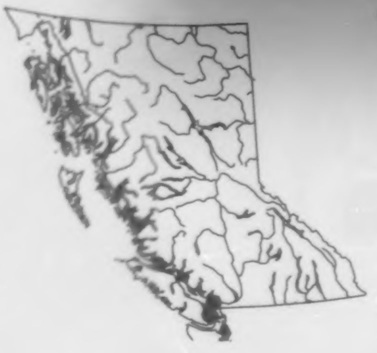
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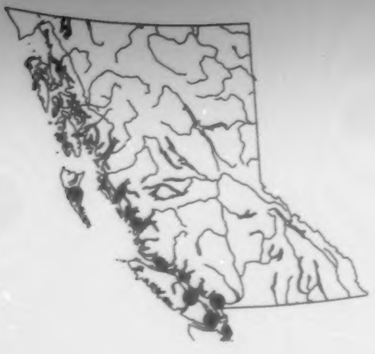
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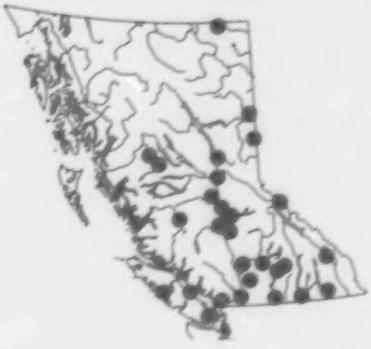
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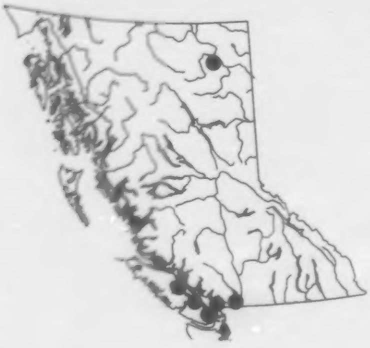
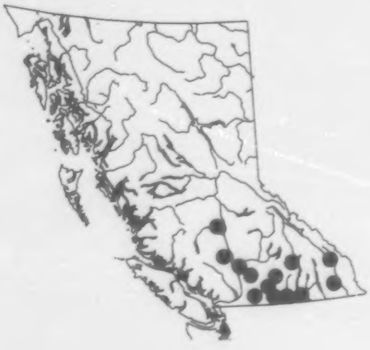
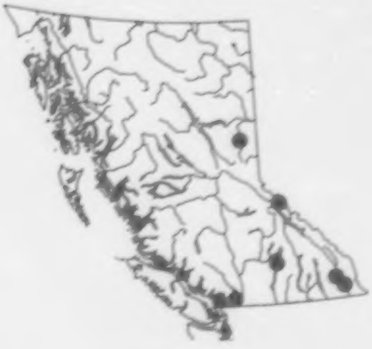
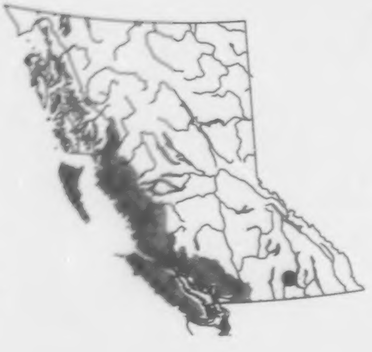
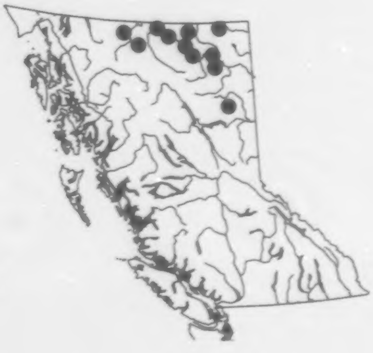
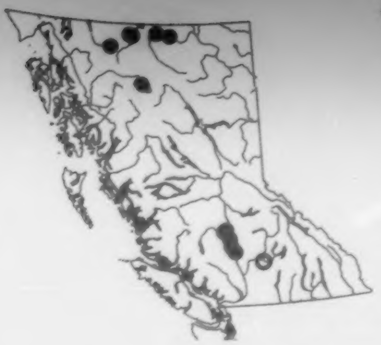

Ceratophyllum echinatum


Chaenactis douglasii
var. *douglasii*


Chaenorrhinum minus


Chamaecyparis nootkatensis


Chamaedaphne calyculata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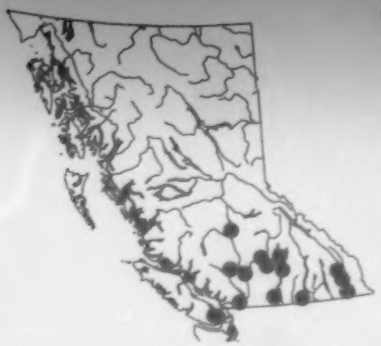
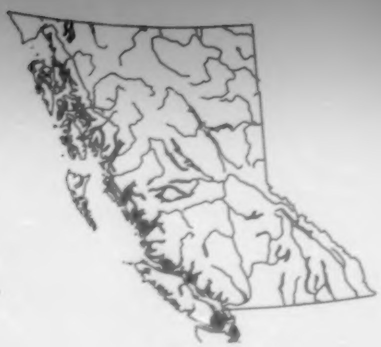
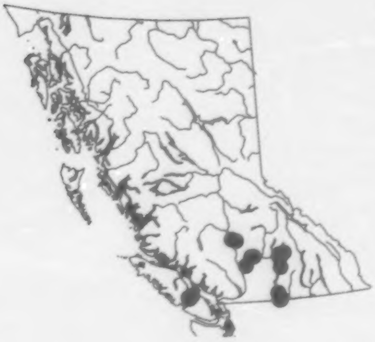
ssp. *nuttallii*


Chamaesyce glyptosperma


Chamaesyce maculata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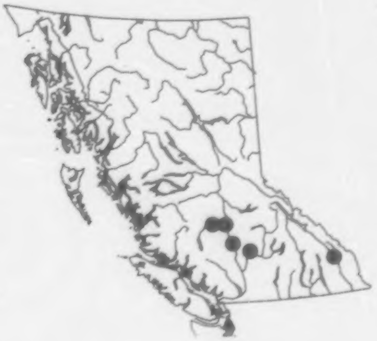
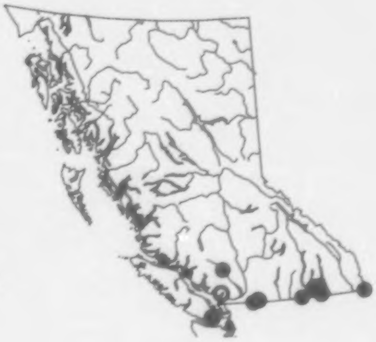
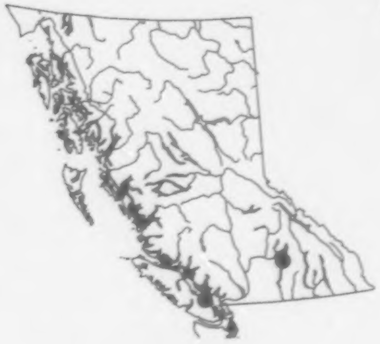
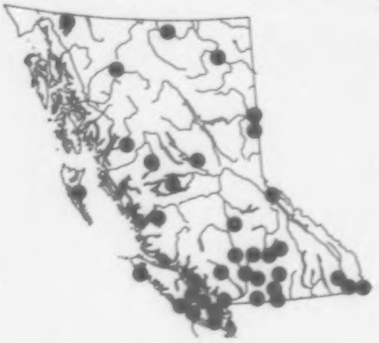
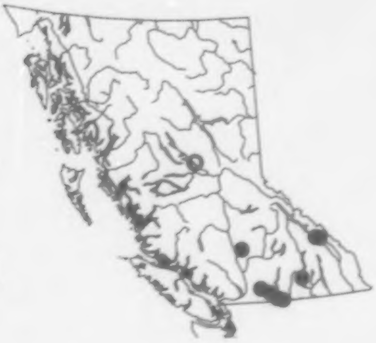
ssp. *serpyllifolia*

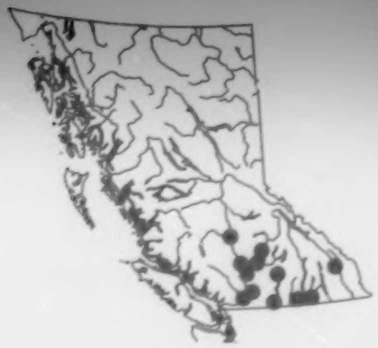

Cheilanthes feei


Cheilanthes gracillima

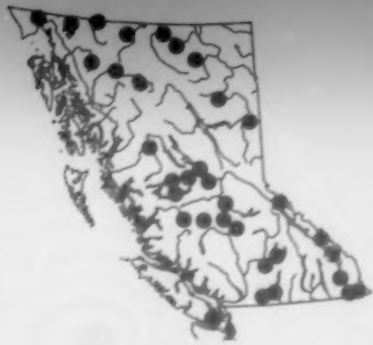

Chelidonium majus


Chenopodium album
sensu lato

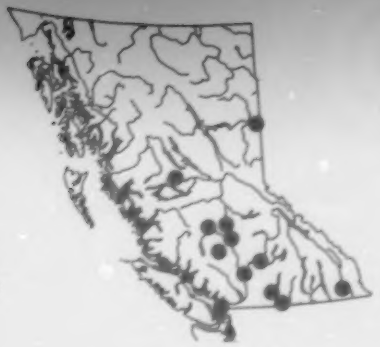

Chenopodium atrovirens



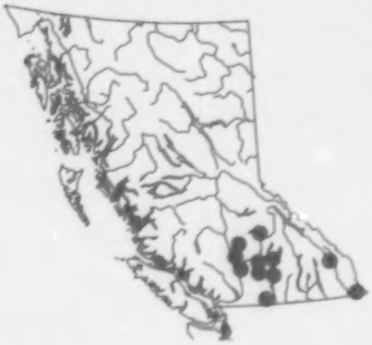
Chenopodium botrys



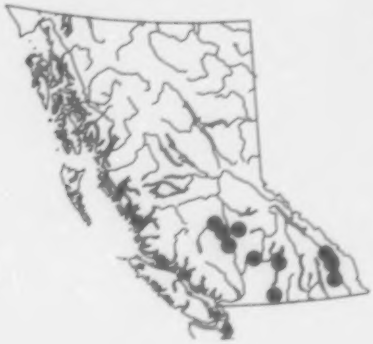
Chenopodium capitatum



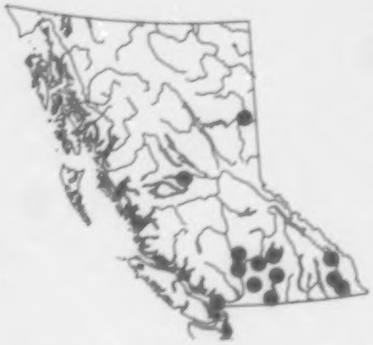
Chenopodium desiccatum



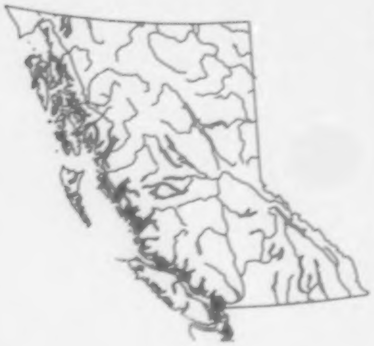
Chenopodium fremontii
var. *fremontii*



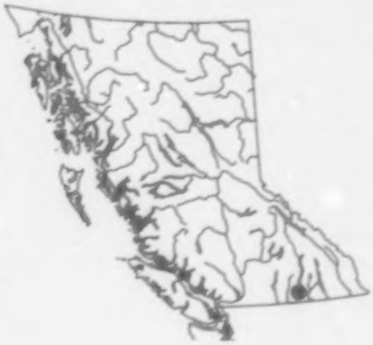
Chenopodium glaucum



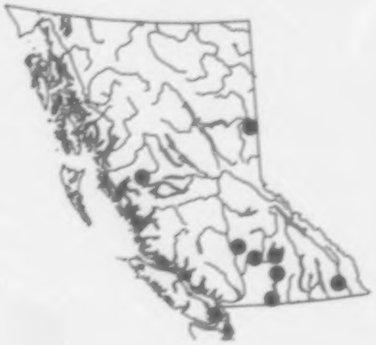
Chenopodium hybridum



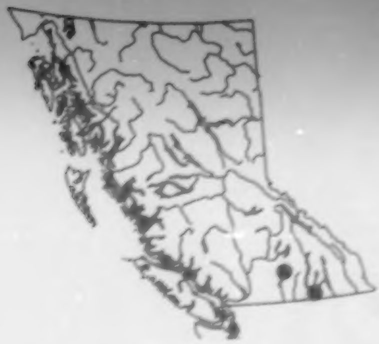
Chenopodium polyspermum



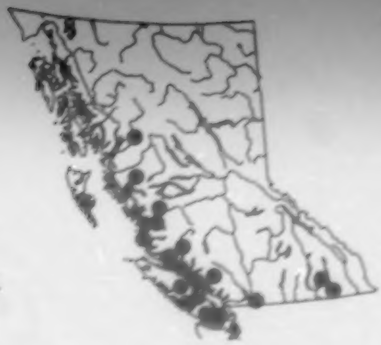
Chenopodium pumilio



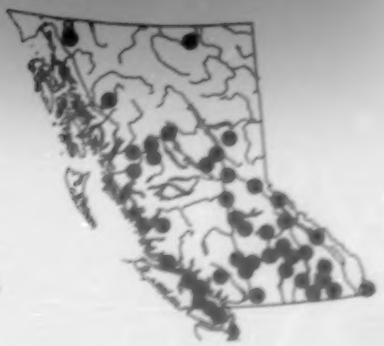
Chenopodium rubrum
sensu lato



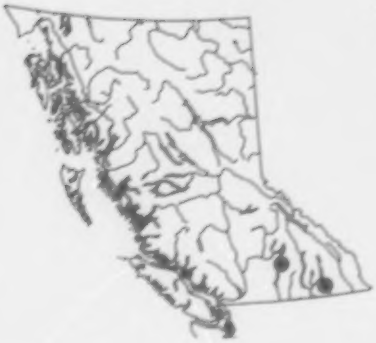
Chenopodium urbicum



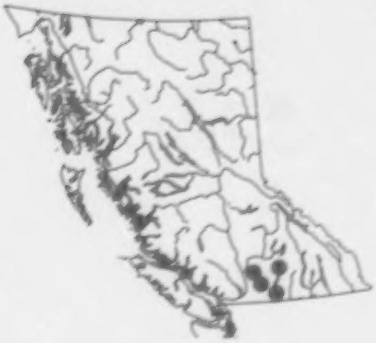
Chimaphila menziesii



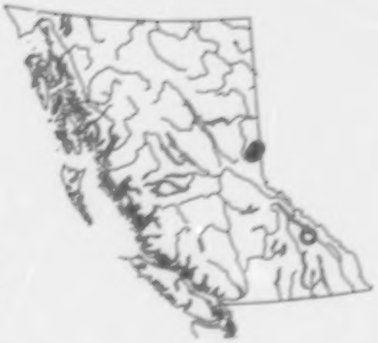
Chimaphila umbellata
ssp. occidentalis



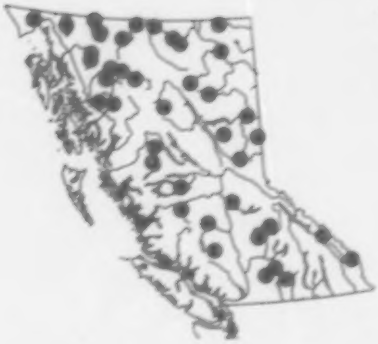
Chondrilla juncea



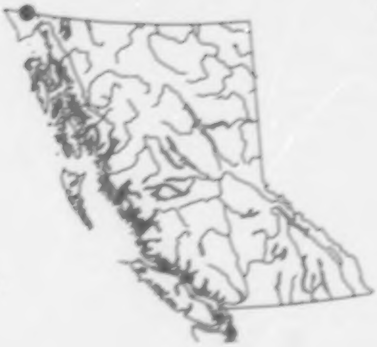
Chorispora tenella



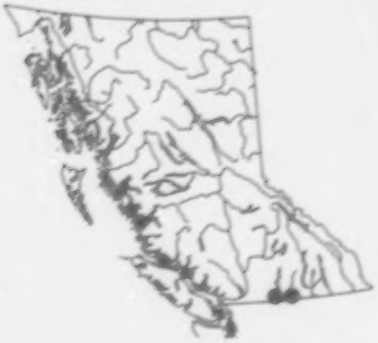
Chrysosplenium iowense



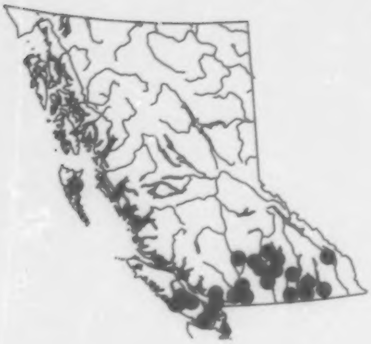
Chrysosplenium tetrandrum



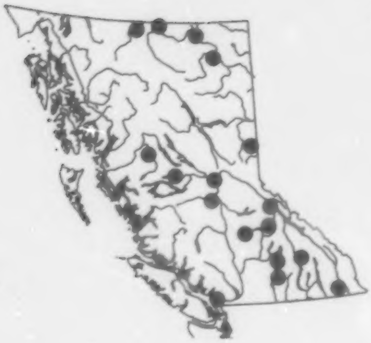
Chrysosplenium wrightii



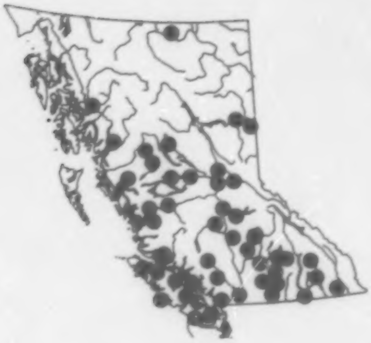
Chrysothamnus viscidiflorus
var. lanceolatus



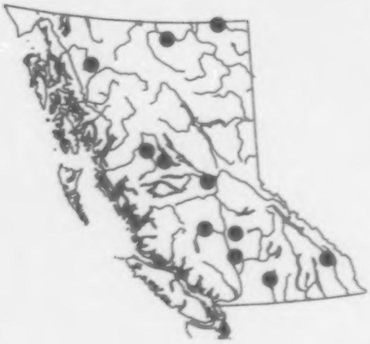
Cichorium intybus



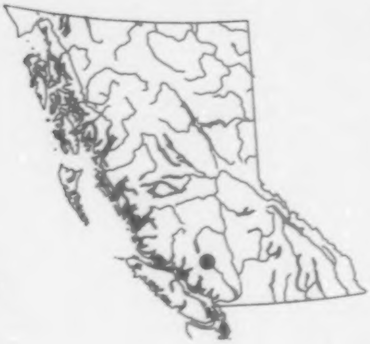
Cicuta bulbifera



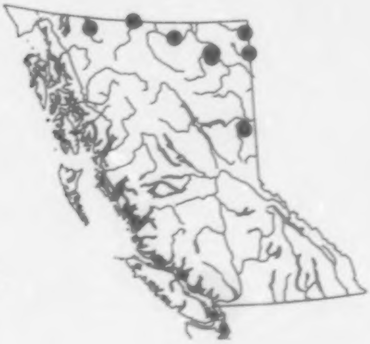
Cicuta douglasii



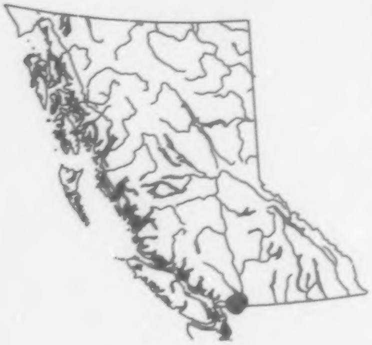
Cicuta maculata
var. *angustifolia*



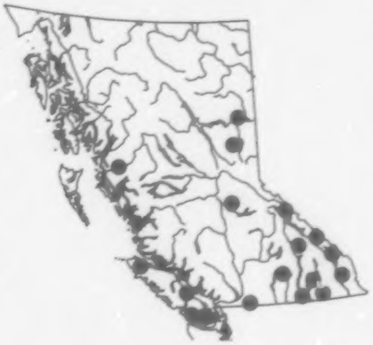
Cicuta maculata
var. *maculata*



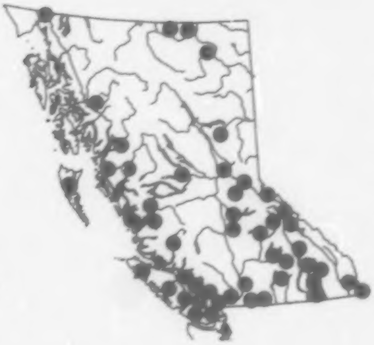
Cicuta virosa



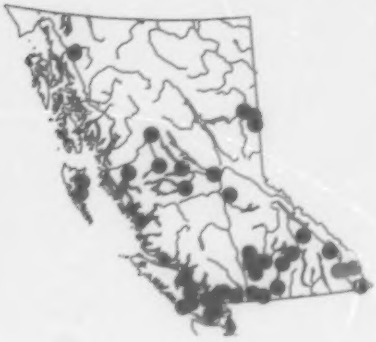
Cimicifuga elata



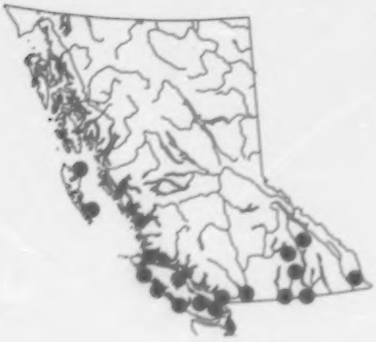
Cinna latifolia



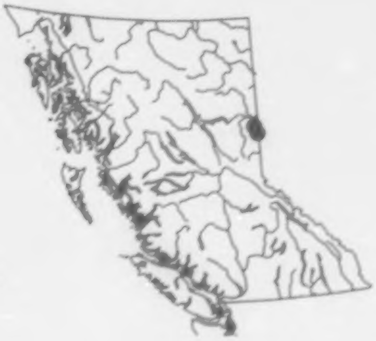
Circaea alpina sensu lato



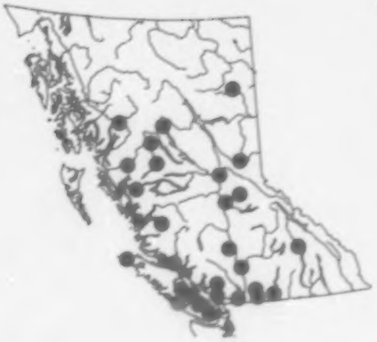
Cirsium arvense var. horridum



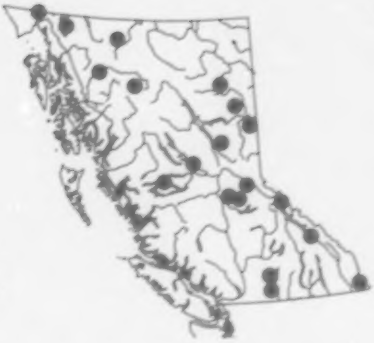
Cirsium brevistylum



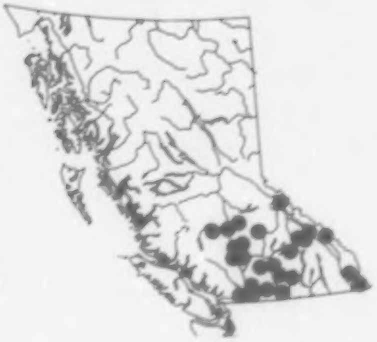
Cirsium drummondii



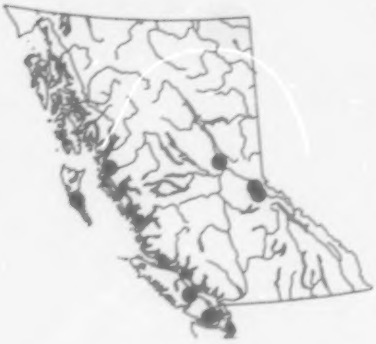
Cirsium edule



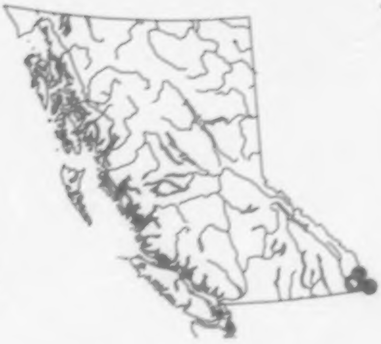
Cirsium foliosum



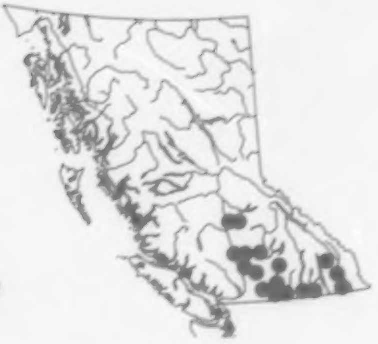
Cirsium hookerianum



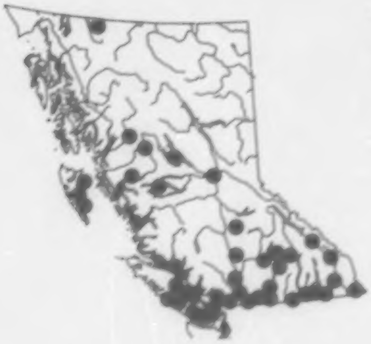
Cirsium palustre



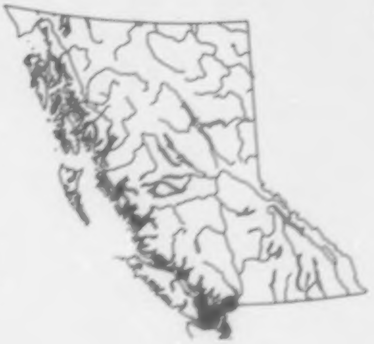
Cirsium scariosum



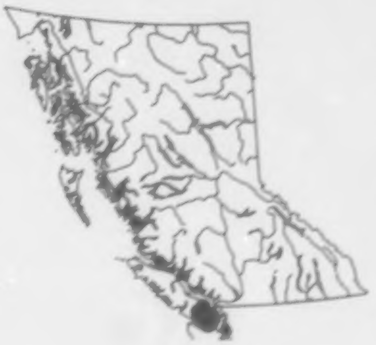
Cirsium undulatum



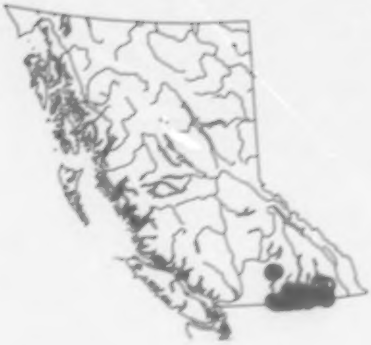
Cirsium vulgare



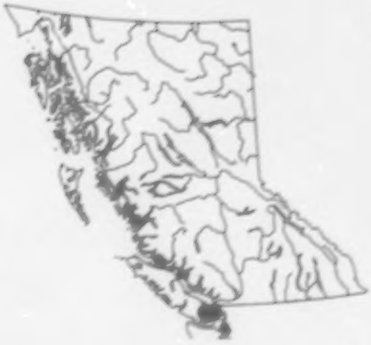
Clarkia amoena
var. *caurina*



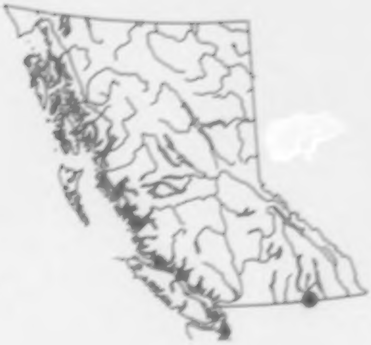
Clarkia amoena
var. *lindleyi*



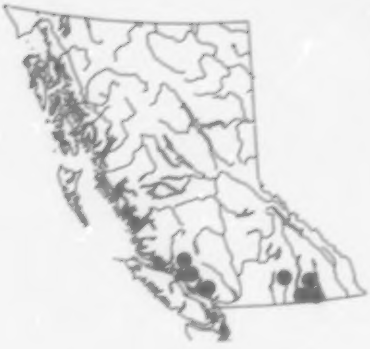
Clarkia pulchella



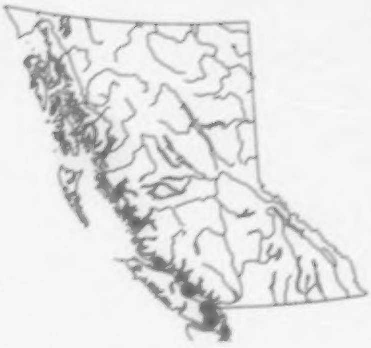
Clarkia purpurea
ssp. *quadrivulnera*



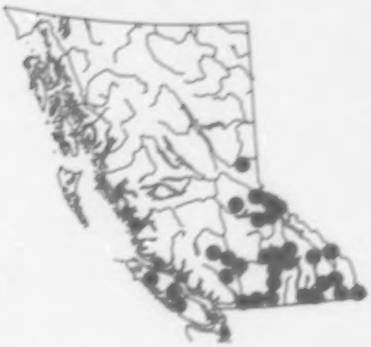
Clarkia rhomboidea



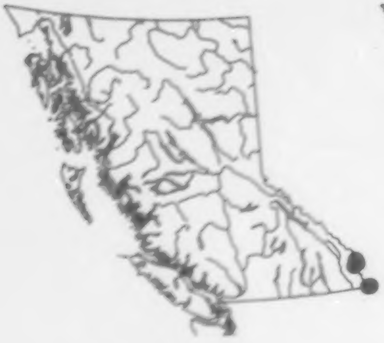
Claytonia cordifolia



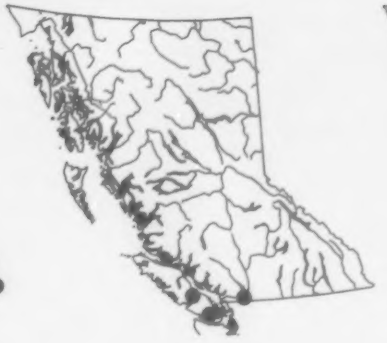
Claytonia exigua
ssp. *exigua*



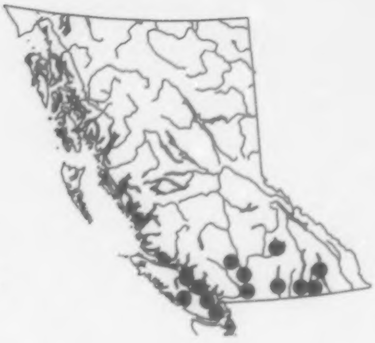
Claytonia lanceolata



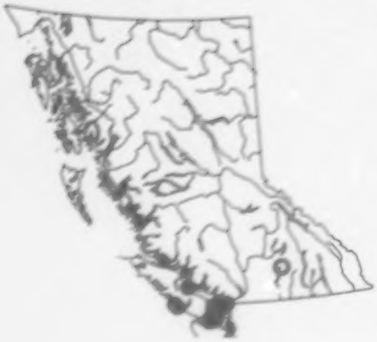
Claytonia megarhiza
var. *megarhiza*



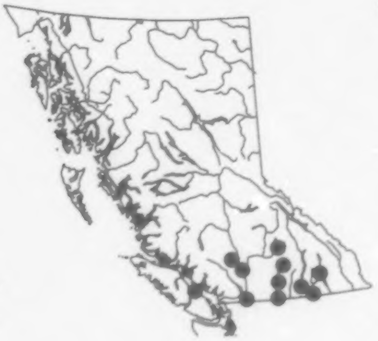
Claytonia parviflora
ssp. *parviflora*



Claytonia perfoliata



Claytonia rubra
ssp. *depressa*



Claytonia rubra
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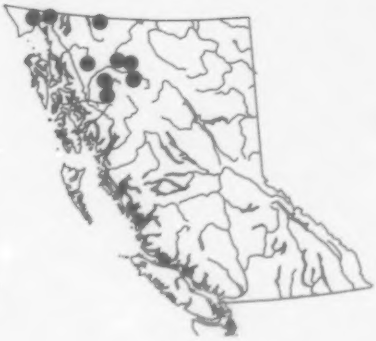
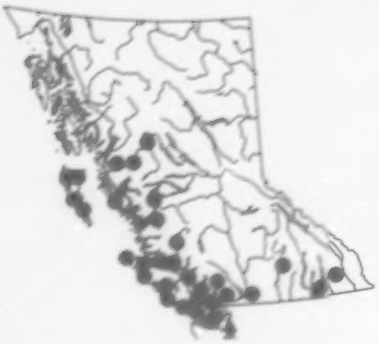
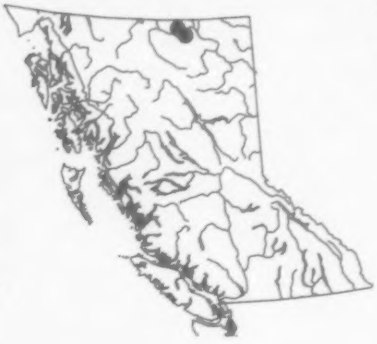


Claytonia sarmentosa



Claytonia sibirica



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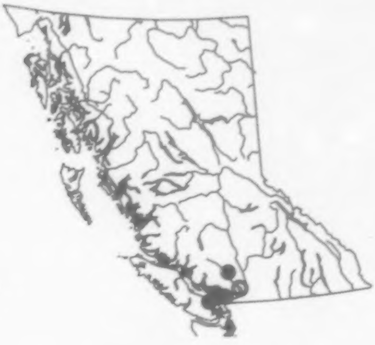
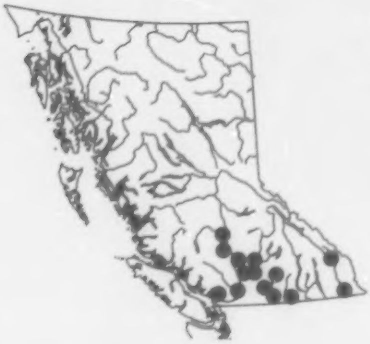
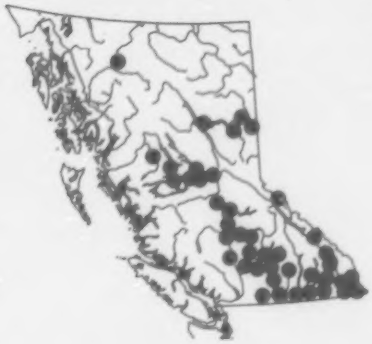


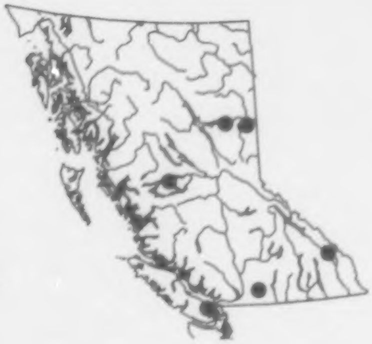
Claytonia washingtoniana



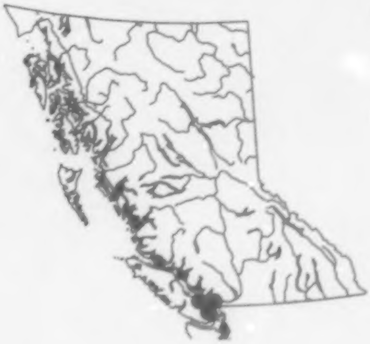
Clematis ligusticifolia
var. *ligusticifolia*



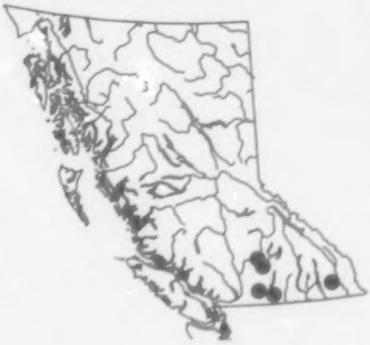
Clematis occidentalis
ssp. *grosseserrata*



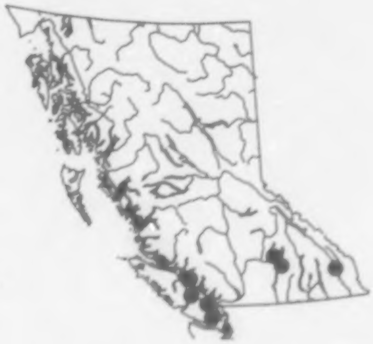
Clematis tangutica
var. *tangutica*



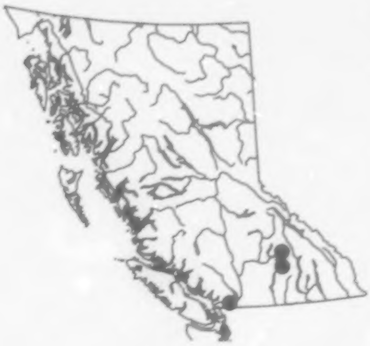
Clematis vitalba



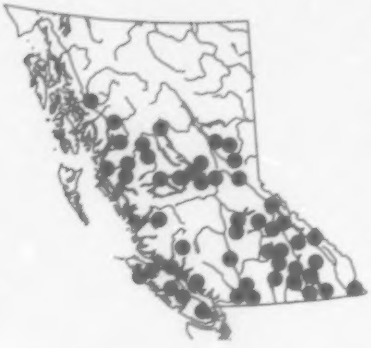
Cleome serrulata



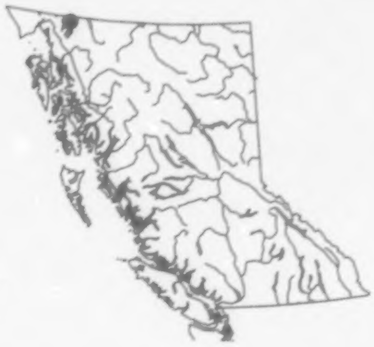
Clinopodium douglasii



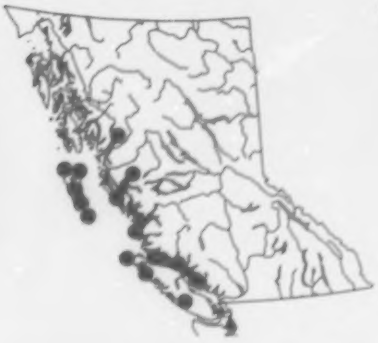
Clinopodium vulgare



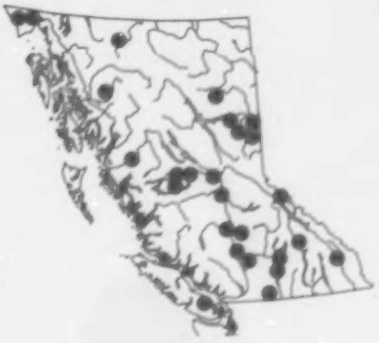
Clintonia uniflora



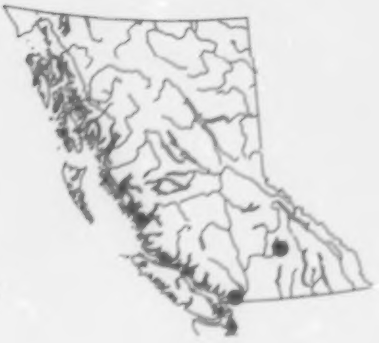
Cnidium cnidiifolium



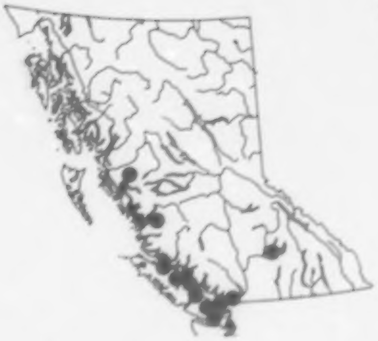
Cochlearia groenlandica



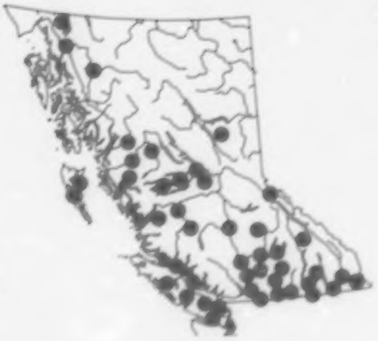
Coeloglossum viride
var. *virescens*



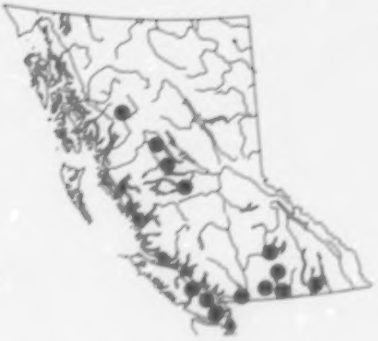
Coleanthus subtilis



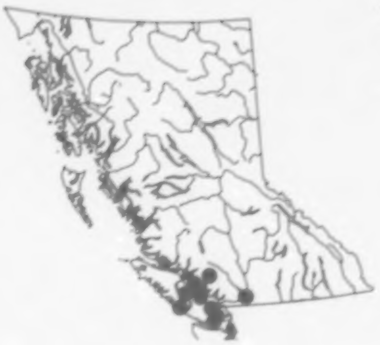
Collinsia grandiflora



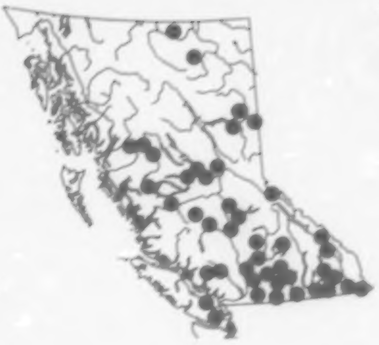
Collinsia parviflora



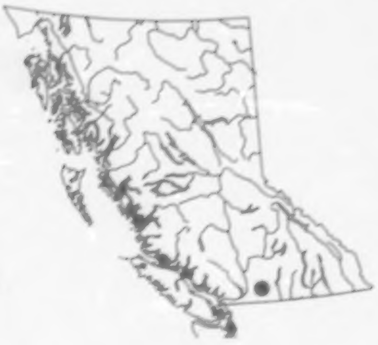
Collomia grandiflora



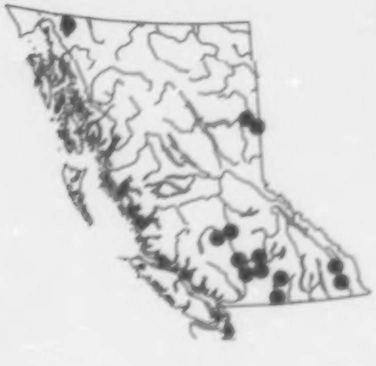
Collomia heterophylla



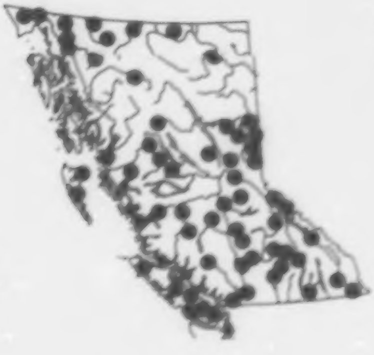
Collomia linearis



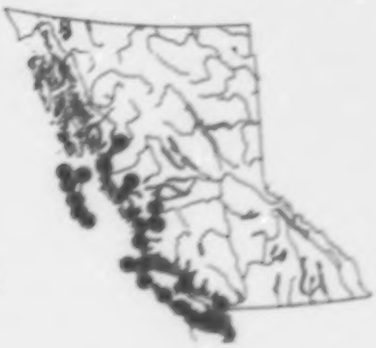
Collomia tenella



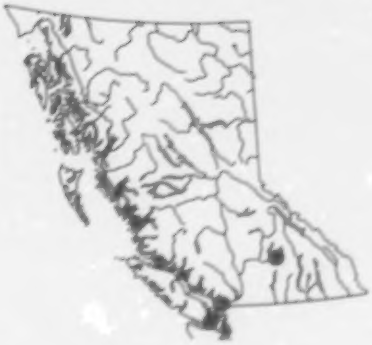
Comandra umbellata
sensu lato



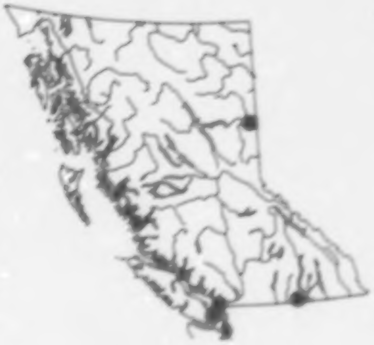
Comarum palustre



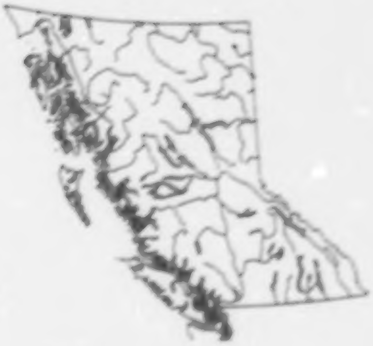
Conioselinum gmelinii



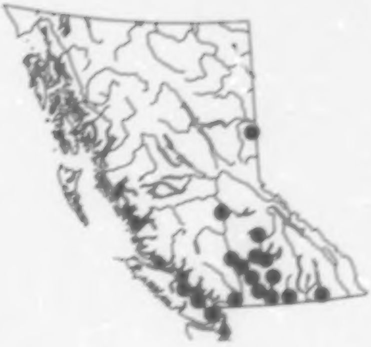
Conium maculatum



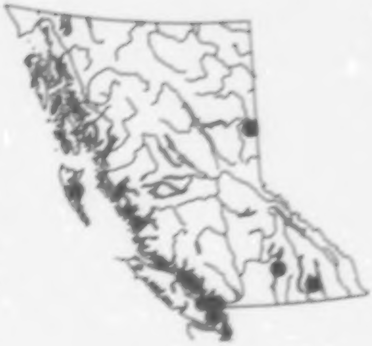
Conringia orientalis



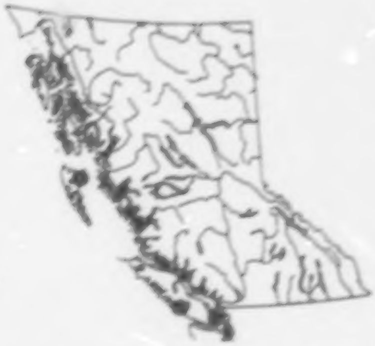
Consolida ajacis



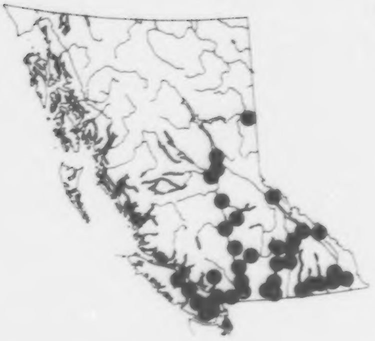
Convolvulus arvensis



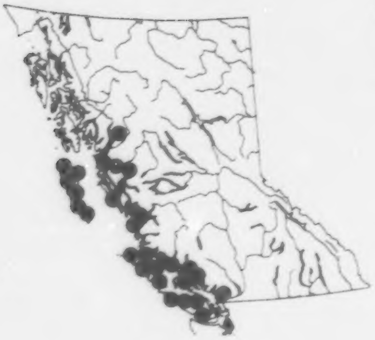
Convolvulus sepium



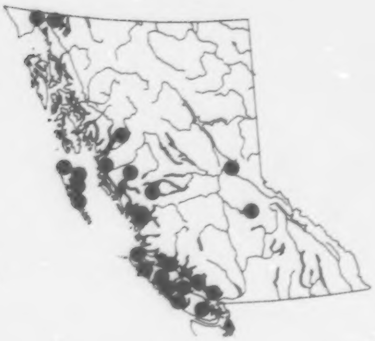
Convolvulus soldanella



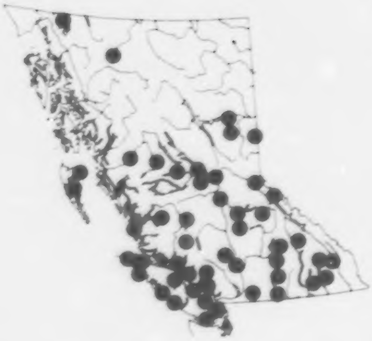
Conyza canadensis var. *glabrata*



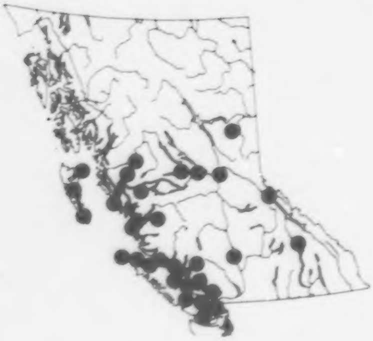
Coptis aspleniifolia



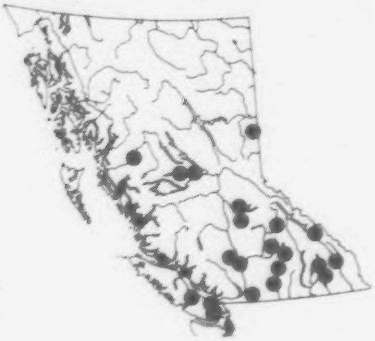
Coptis trifolia



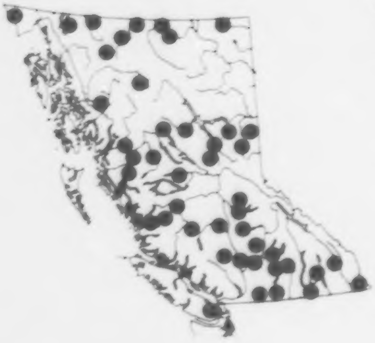
Corallorhiza maculata



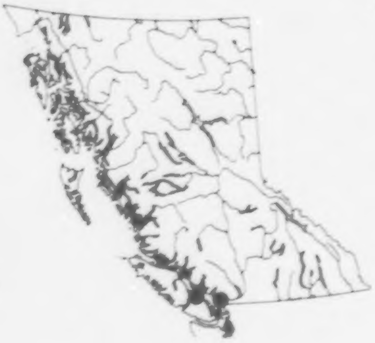
Corallorhiza mertensiana



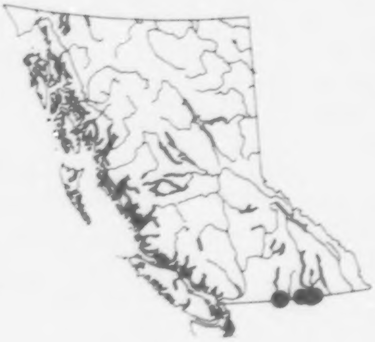
Corallorhiza striata var. *striata*



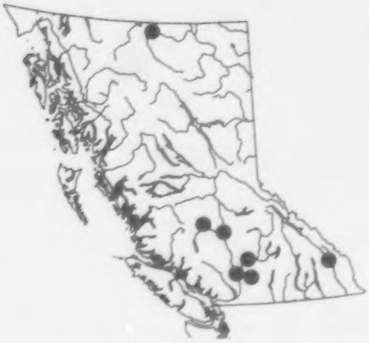
Corallorhiza trifida



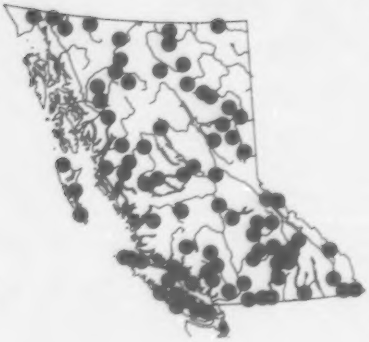
Coreopsis lanceolata



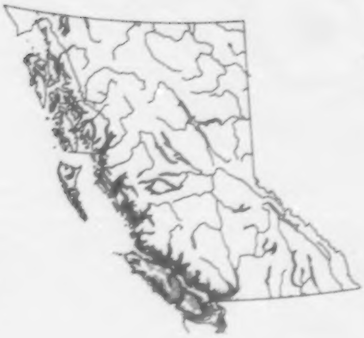
Coreopsis tinctoria var. *atkinsoniana*



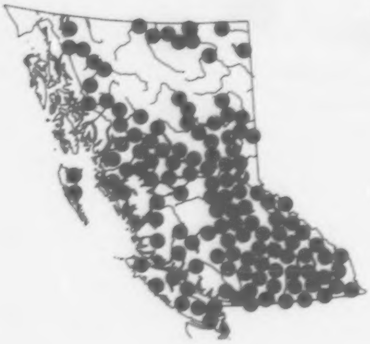
Corispermum hyssopifolium



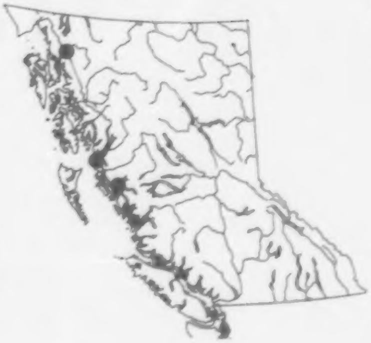
Cornus canadensis



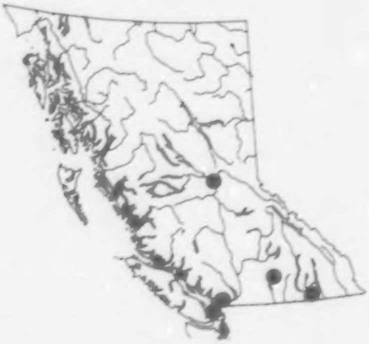
Cornus nuttallii



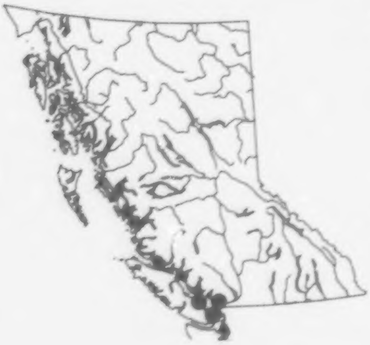
Cornus stolonifera



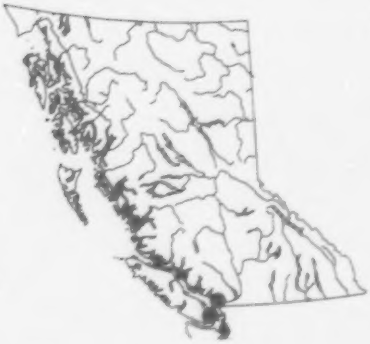
Cornus suecica



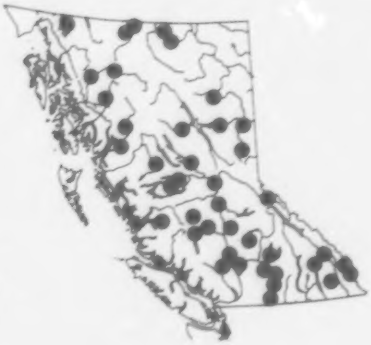
Coronilla varia



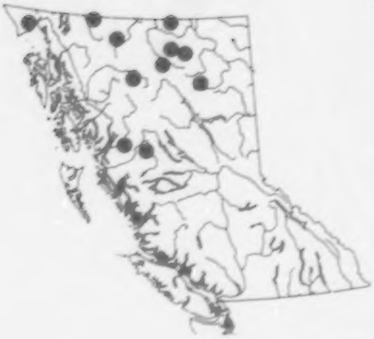
Coronopus didymus



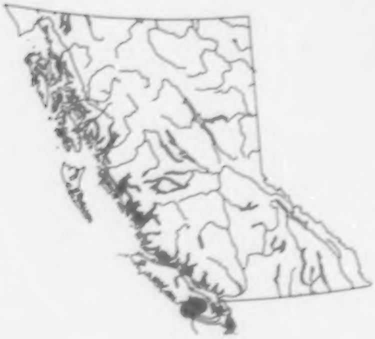
Corrigiola litoralis



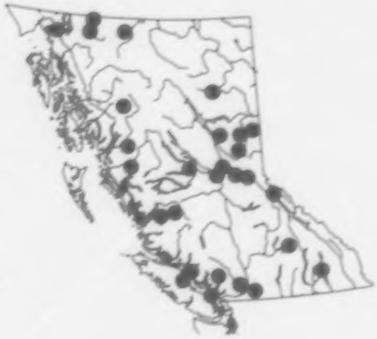
Corydalis aurea



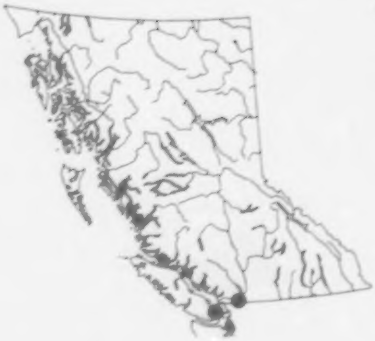
Corydalis pauciflora



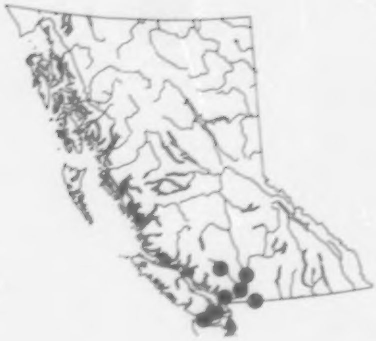
Corydalis scouleri



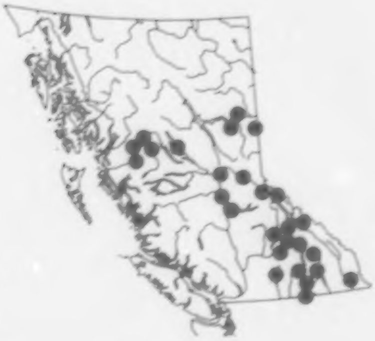
Corydalis sempervirens



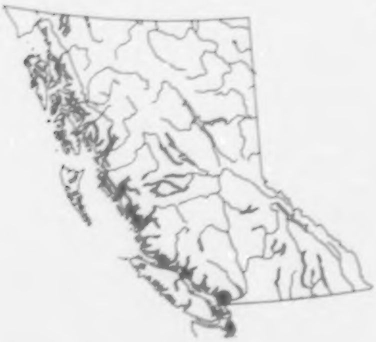
Corylus avellana



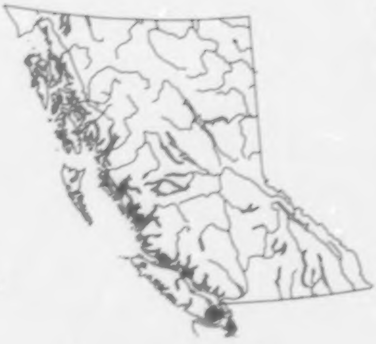
Corylus cornuta
var. californica



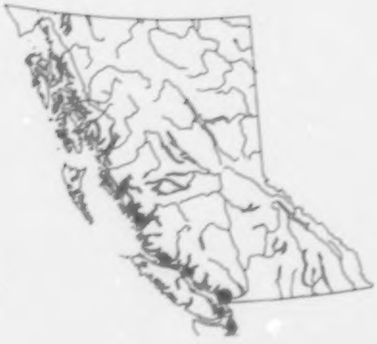
Corylus cornuta var. *cornuta*



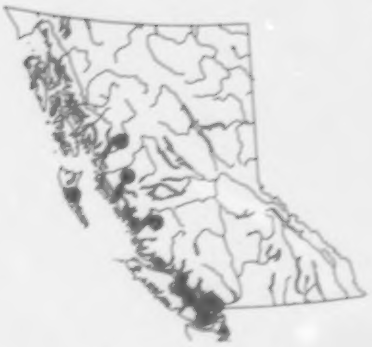
Cotoneaster bullatus



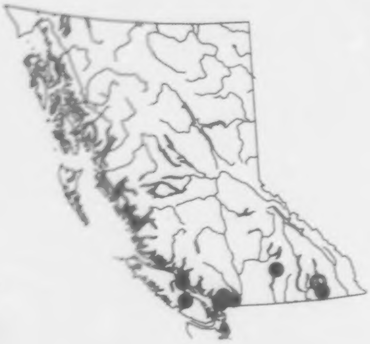
Cotoneaster horizontalis



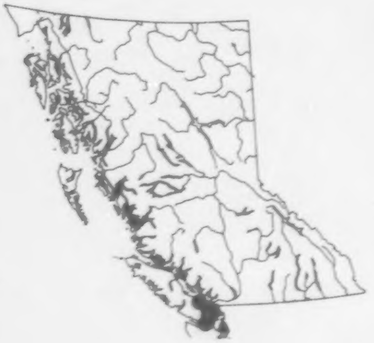
Cotoneaster simonsii



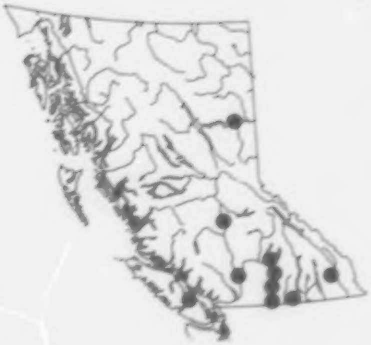
Cotula coronopifolia



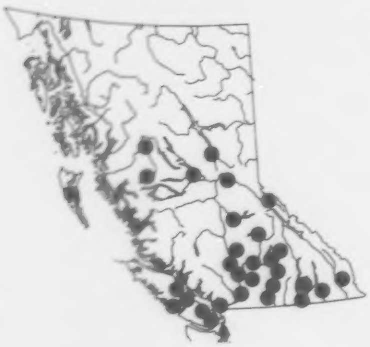
Crassula aquatica



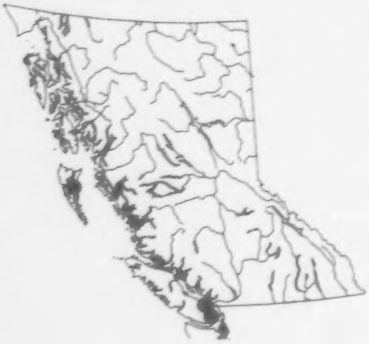
Crassula connata var. *connata*



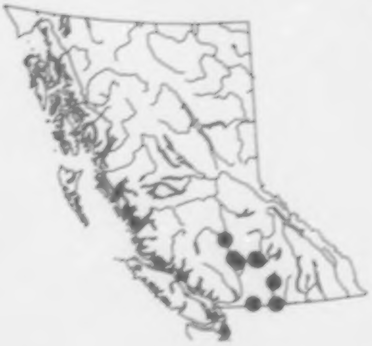
Crataegus columbiana



Crataegus douglasii
sensu lato



Crataegus monogyna



Crepis atribarba
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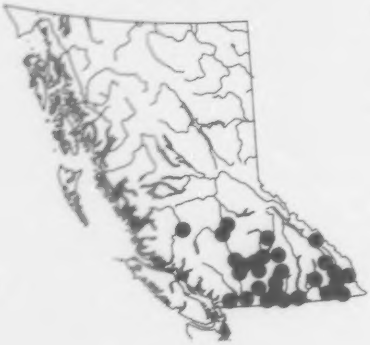

Crepis atribarba
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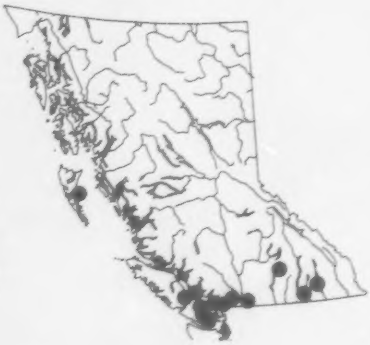

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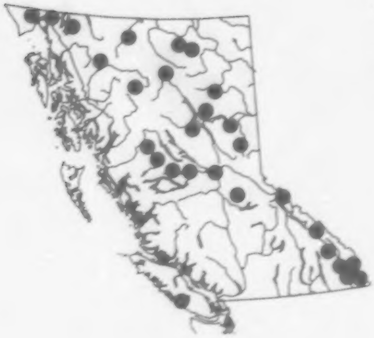
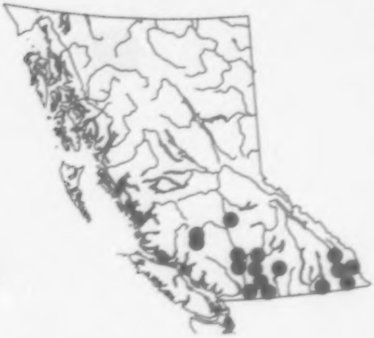
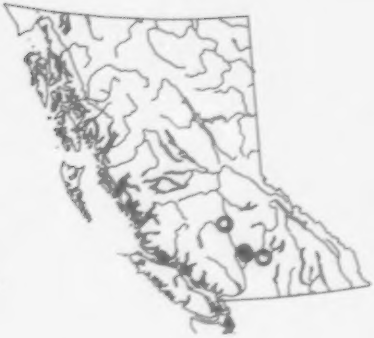


Crepis elegans



Crepis intermedia



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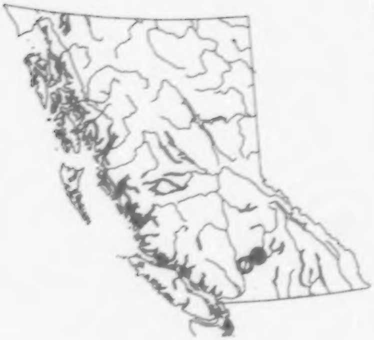

Crepis modocensis
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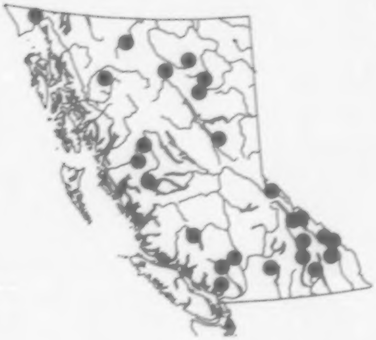
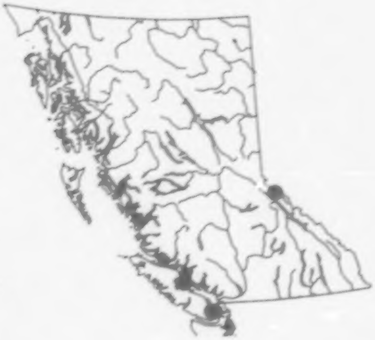


Crepis nana



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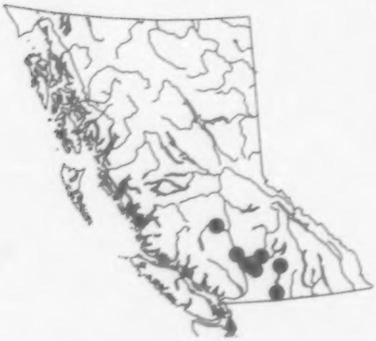

Crepis occidentalis
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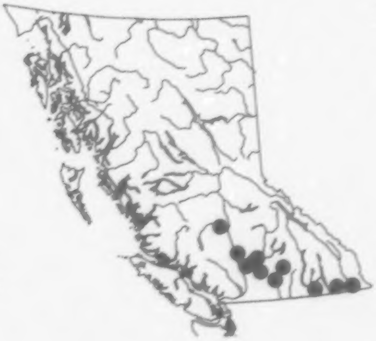

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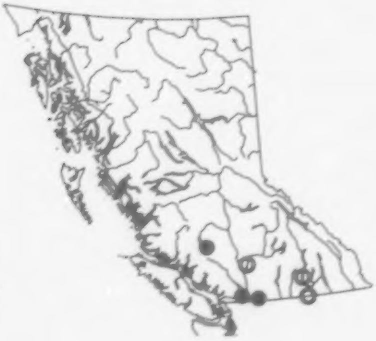

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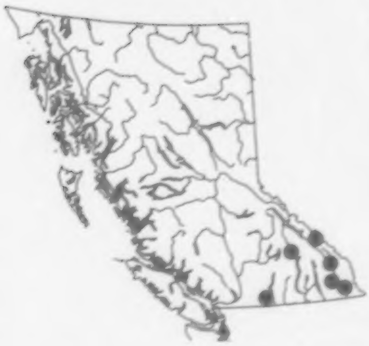

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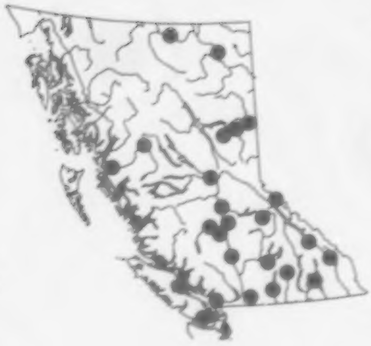

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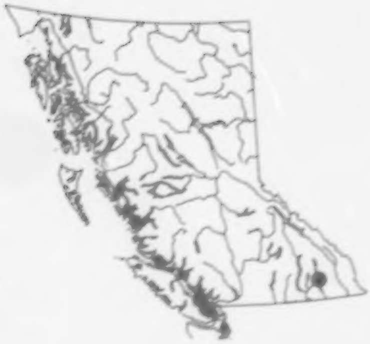

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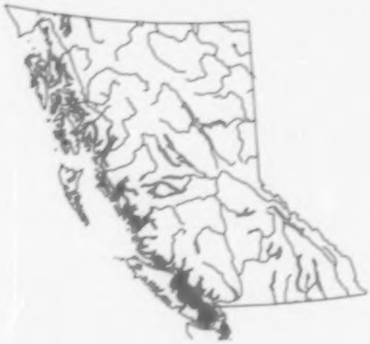
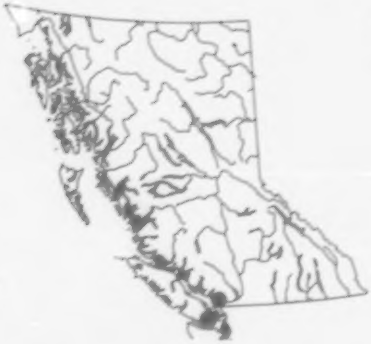
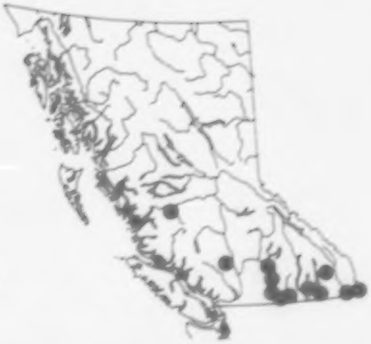


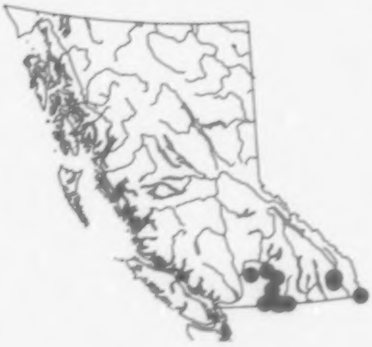
Crocidium multicaule



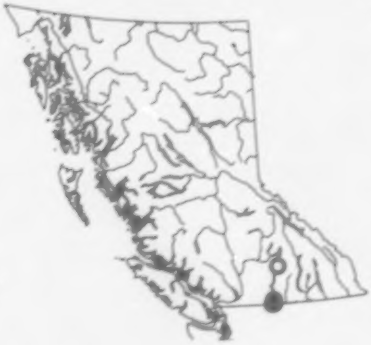
Crocosmia x crocosmiiflora



Cryptantha affinis



Cryptantha ambigua



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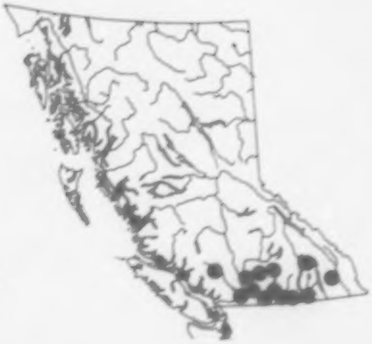

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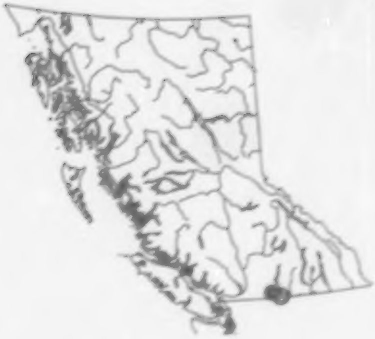
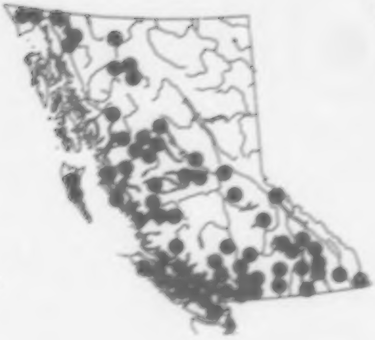
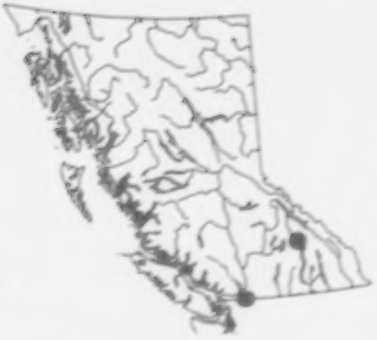


Cryptantha watsonii



Cryptogramma acrostichoides



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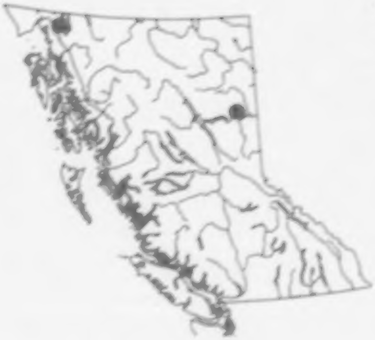
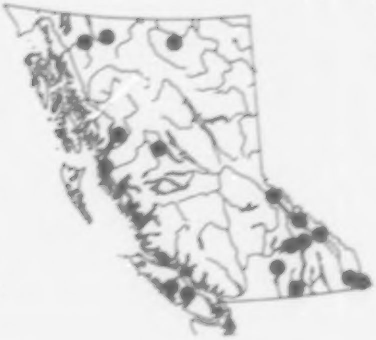


Cryptogramma sitchensis



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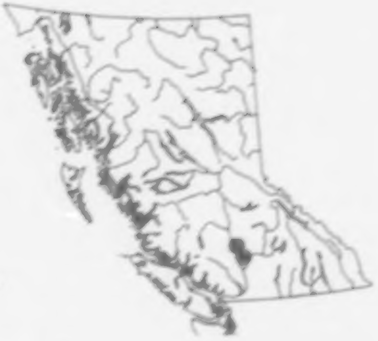
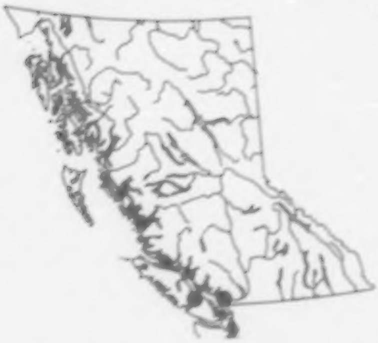


Cuscuta approximata



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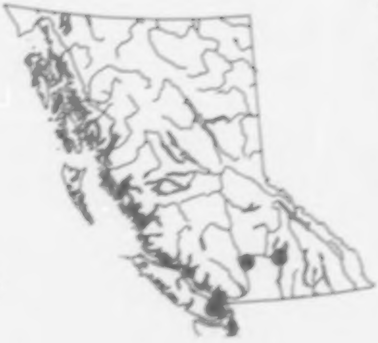

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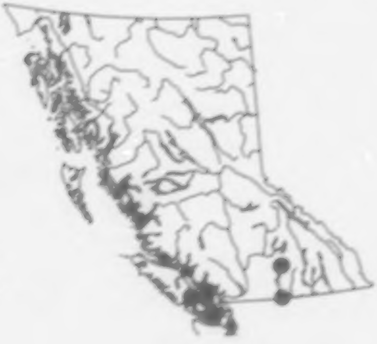

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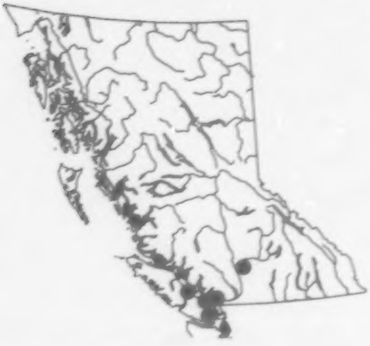
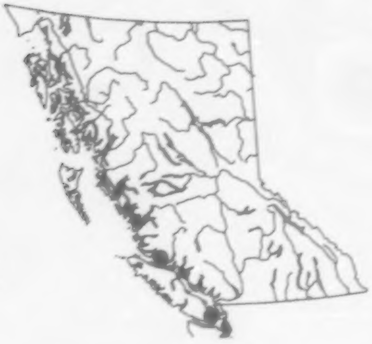
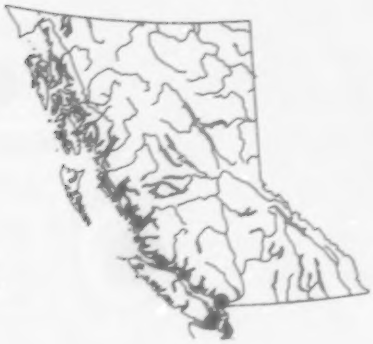


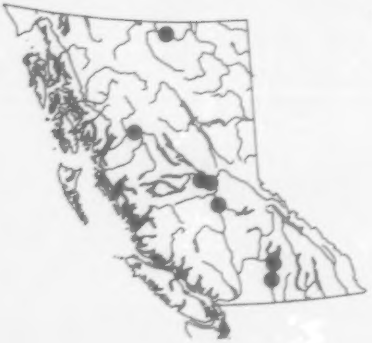
Cuscuta salina



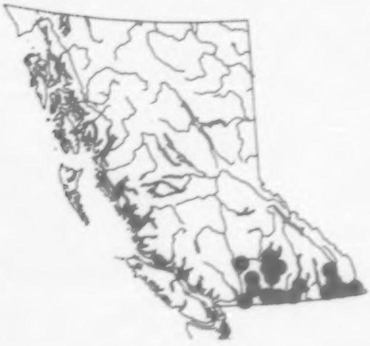
Cymbalaria muralis



Cynodon dactylon



Cynoglossum boreale



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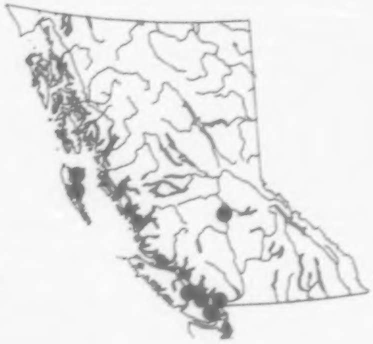

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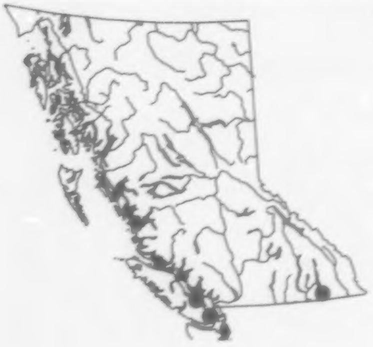

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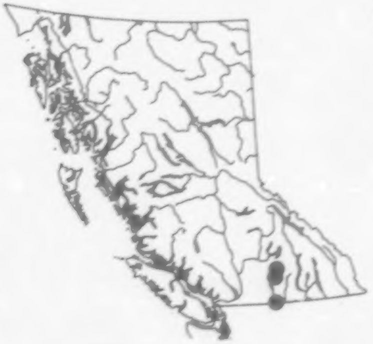

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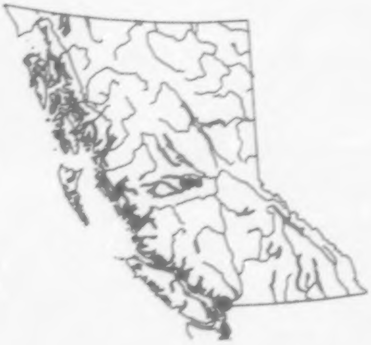
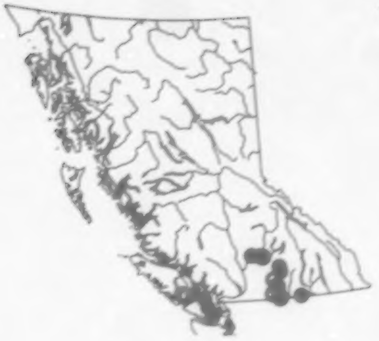


Cyperus esculentus
var. leptostachyus



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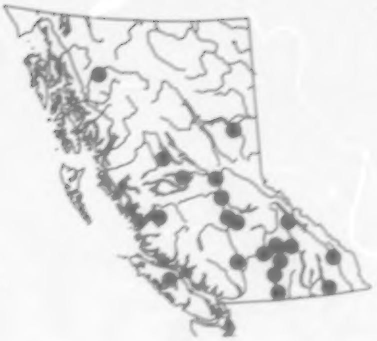
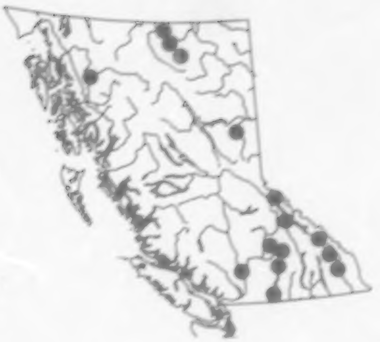
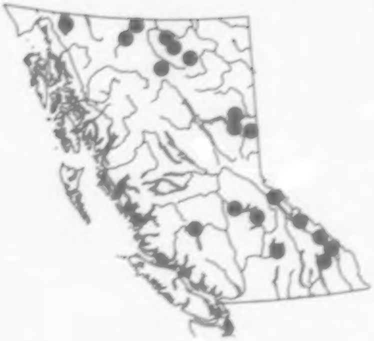


Cypripedium montanum



Cypripedium parviflorum sensu lato



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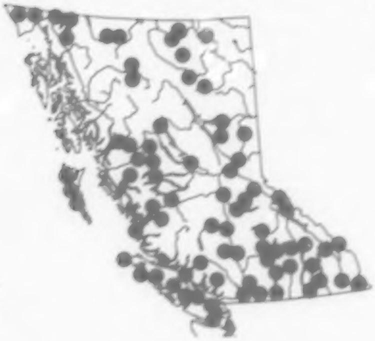
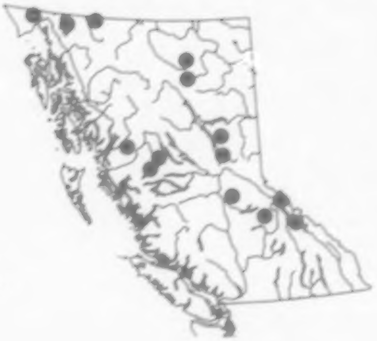
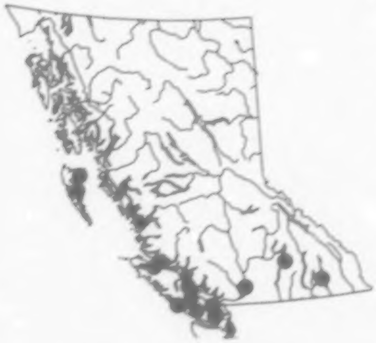


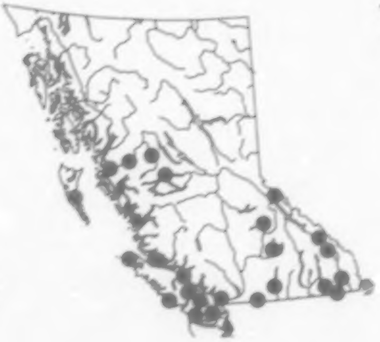
Cystopteris fragilis



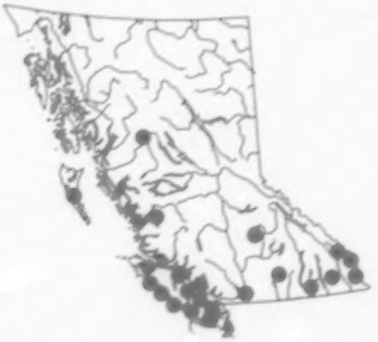
Cystopteris montana



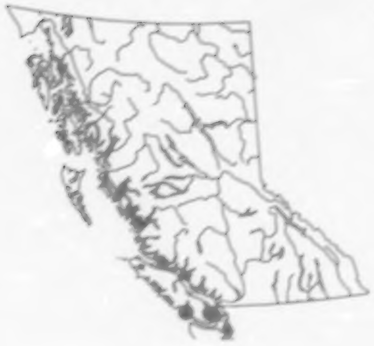
Cytisus scoparius



Dactylis glomerata



Danthonia californica



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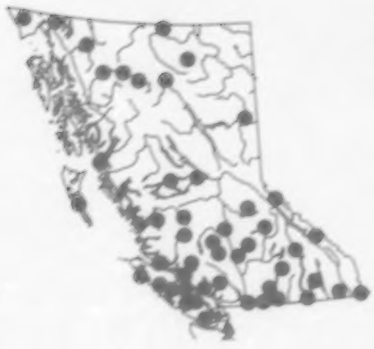

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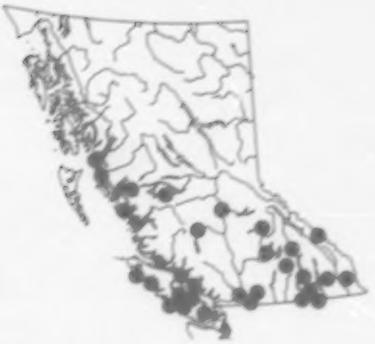
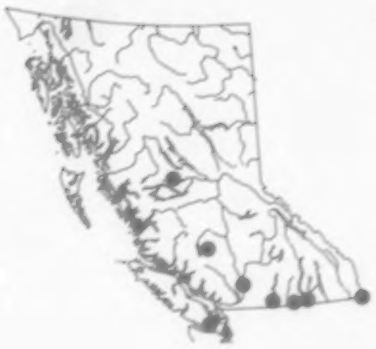
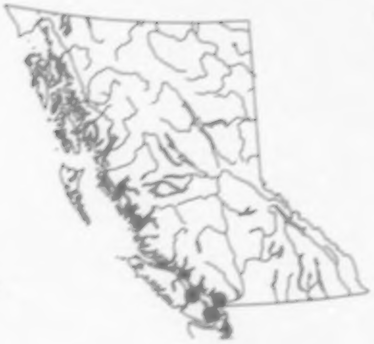


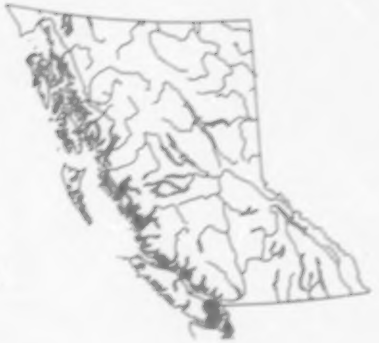
Danthonia spicata



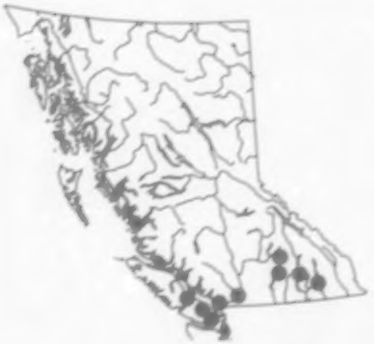
Danthonia unispicata



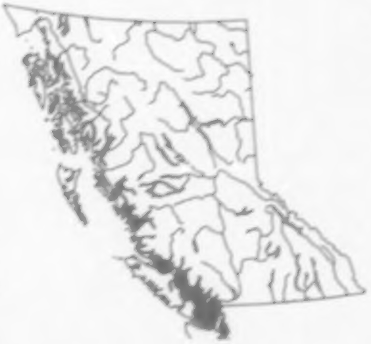
Daphne laureola



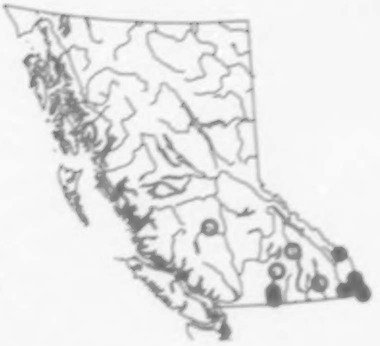
Datura stramonium



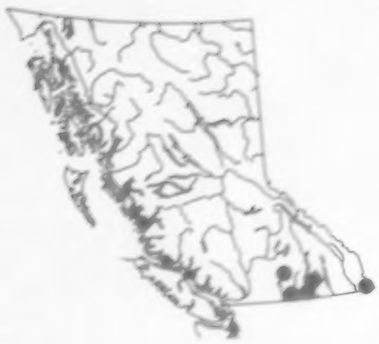
Daucus carota



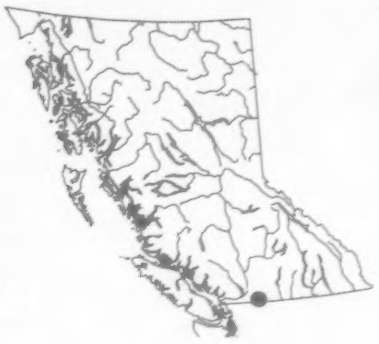
Daucus pusillus



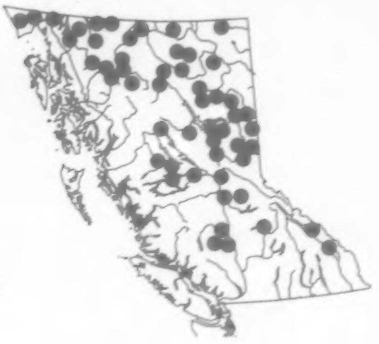
Delphinium bicolor
ssp. *bicolor*



Delphinium distichum



Delphinium glareosum



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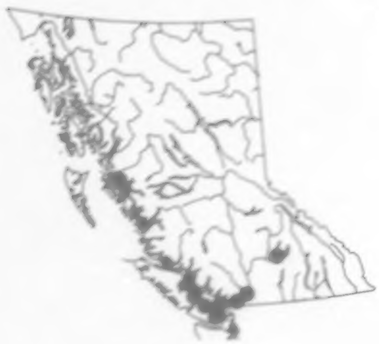
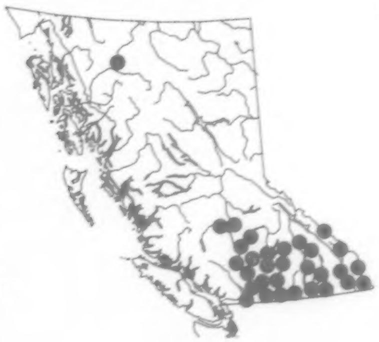
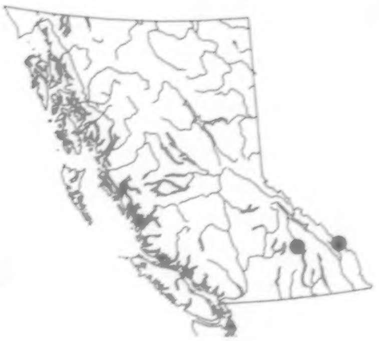


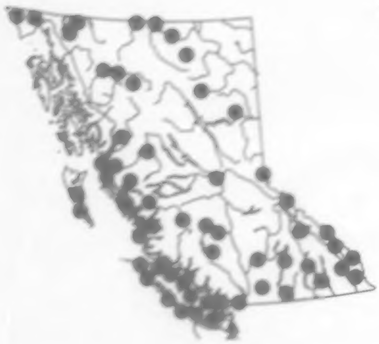
Delphinium menziesii
ssp. menziesii



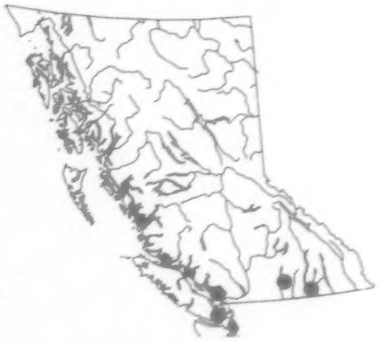
Delphinium nuttallianum



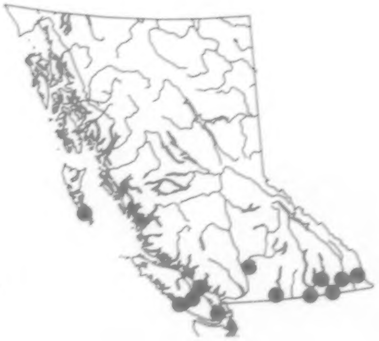
Delphinium sutherlandii



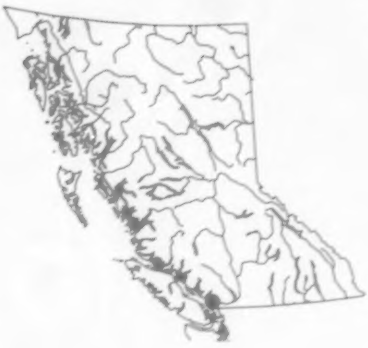
Deschampsia cespitosa
sensu lato



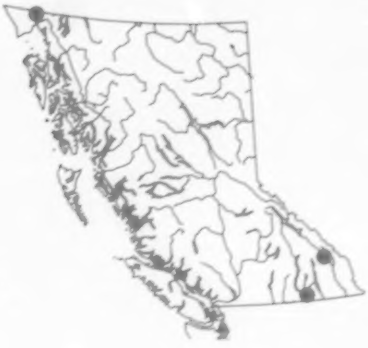
Deschampsia danthonioides



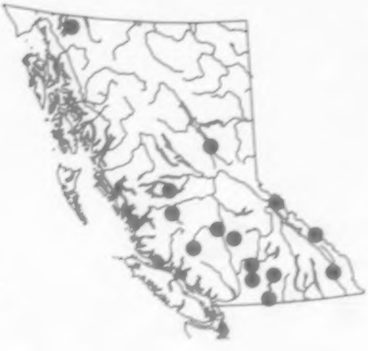
Deschampsia elongata



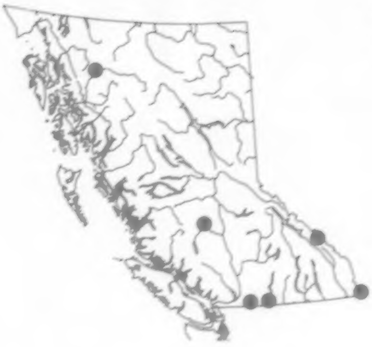
Deschampsia flexuosa



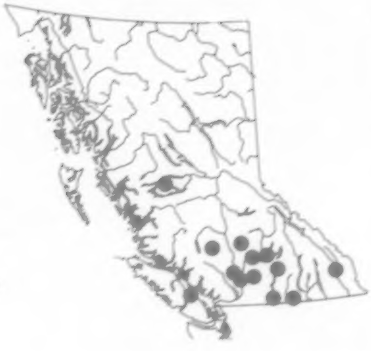
Descurainia incana
ssp. *incana*



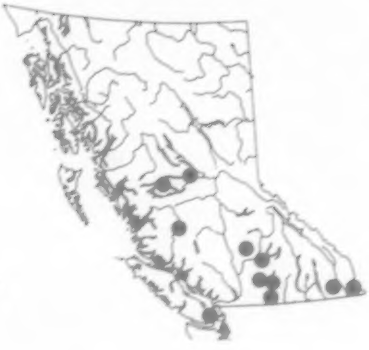
Descurainia incana
ssp. *incisa*



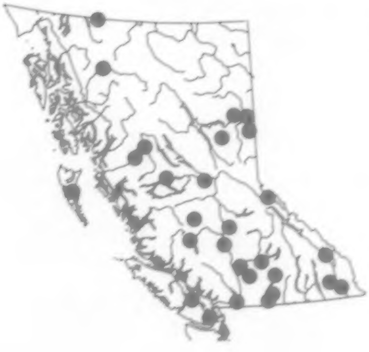
Descurainia incana
ssp. *viscosa*



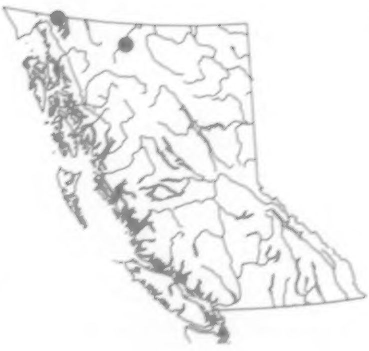
Descurainia pinnata
ssp. *filipes*



Descurainia pinnata
ssp. *intermedia*



Descurainia sophia



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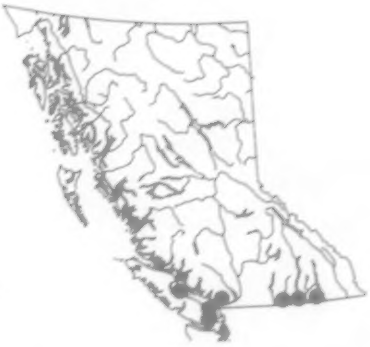
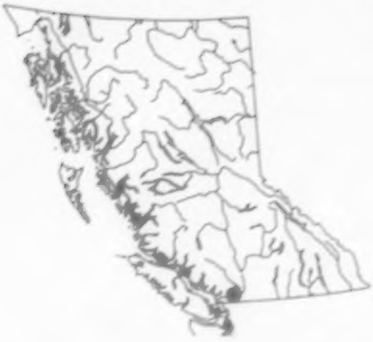
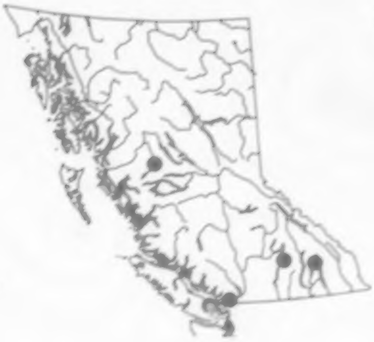
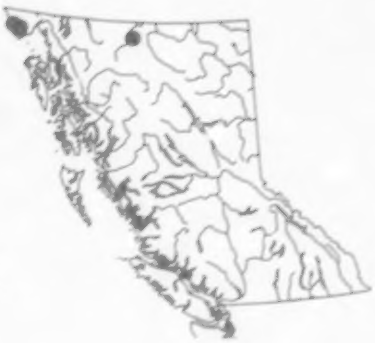
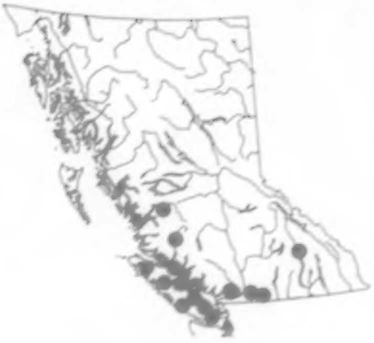


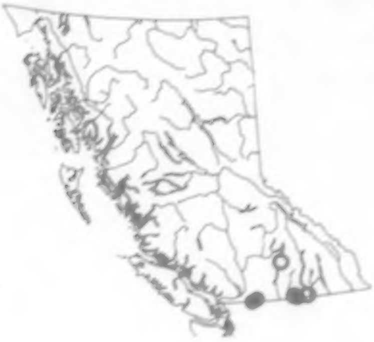
Dianthus armeria

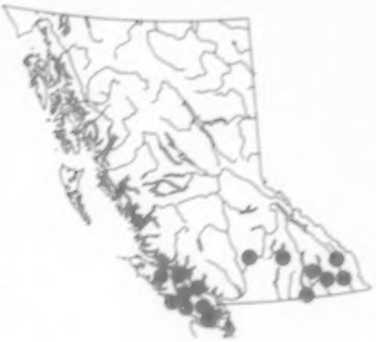

Dianthus barbatus

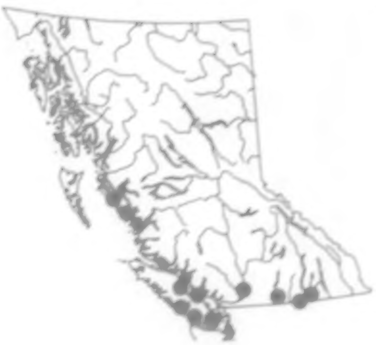

Dianthus deltoides

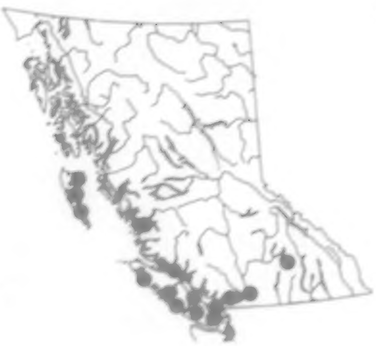

Diapensia lapponica ssp. *obovata*

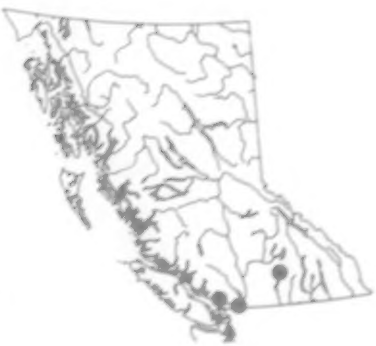

Dicentra formosa

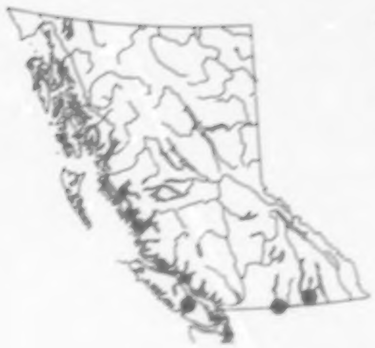

Dicentra uniflora


Dichanthelium acuminatum var. *fasciculatum*

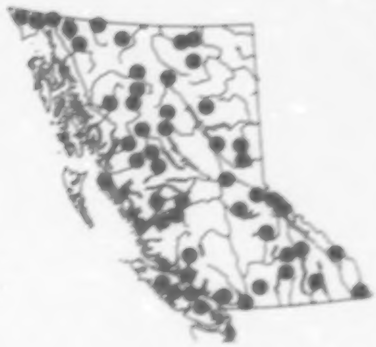

Dichanthelium oligosanthes var. *scribnerianum*


Digitalis purpurea

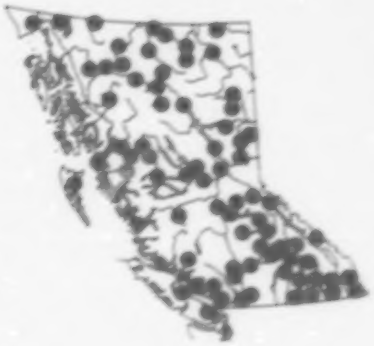

Digitaria ischaemum



Digitaria sanguinalis



Diphasiastrum alpinum



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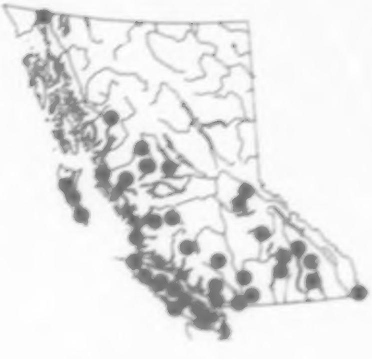
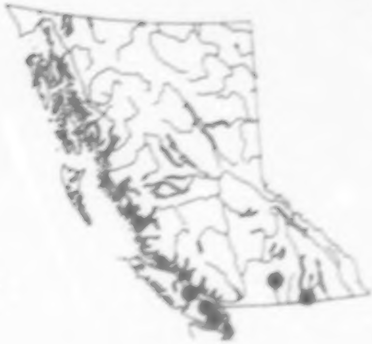
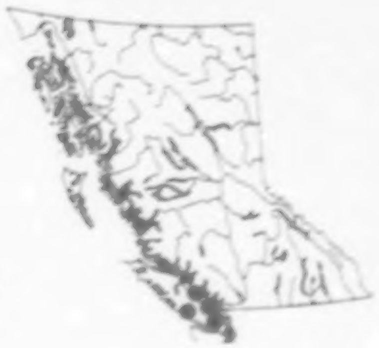


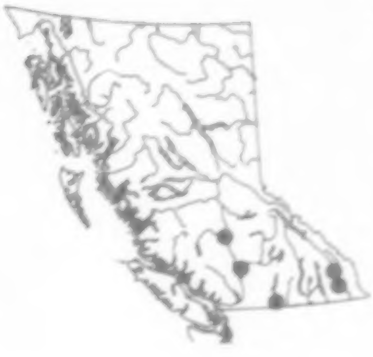
Diphasiastrum sitchense



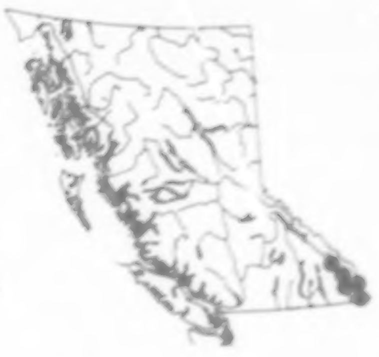
Dipsacus fullonum
ssp. sylvestris



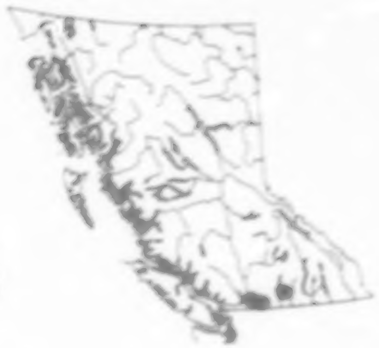
Distichlis spicata
var. spicata



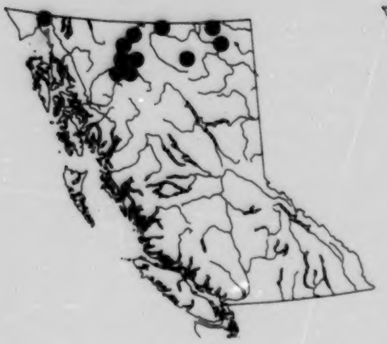
Distichlis spicata var. stricta



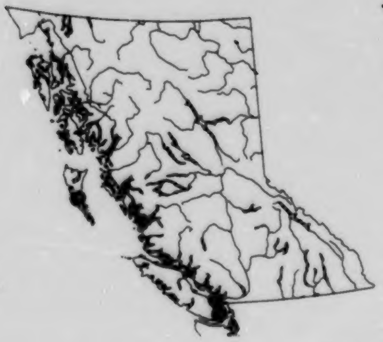
Dodecatheon conjugens
sensu lato



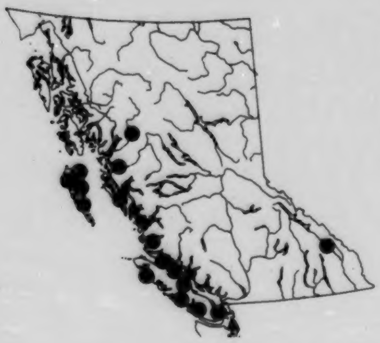
Dodecatheon dentatum
ssp. dentatum



Dodecatheon frigidum



Dodecatheon hendersonii ssp. *hendersonii*



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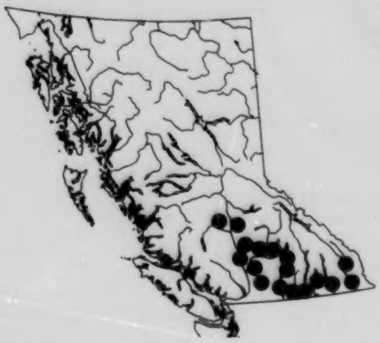
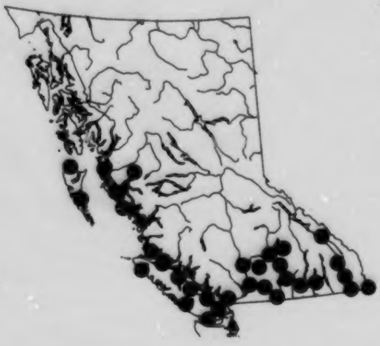


Dodecatheon pulchellum ssp. *cusickii*



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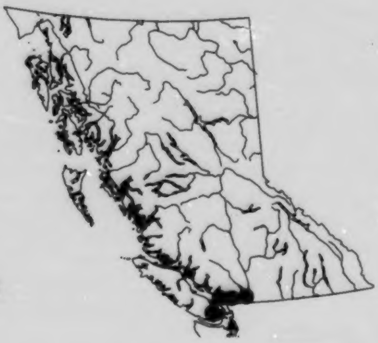
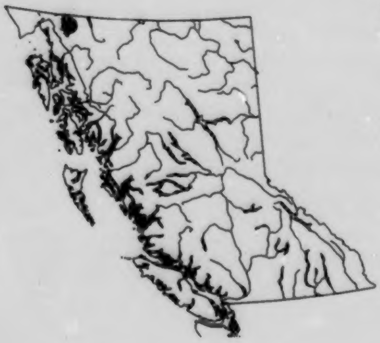
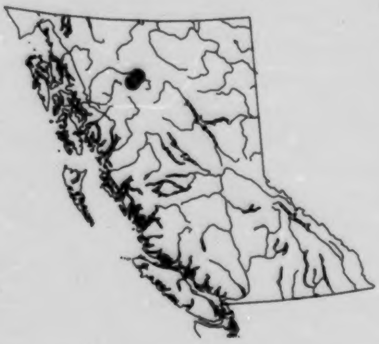


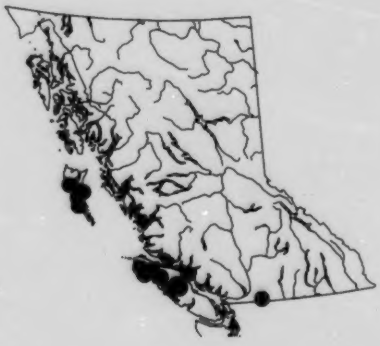
Doronicum pardalianches



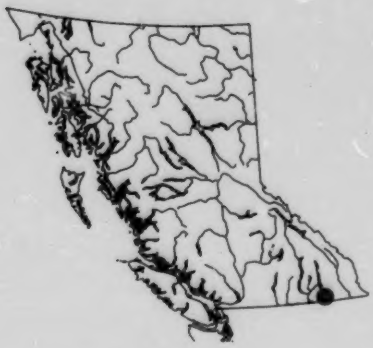
Douglasia alaskana



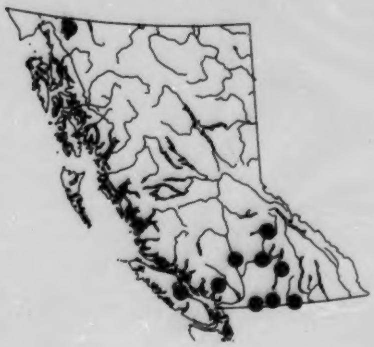
Douglasia gormanii



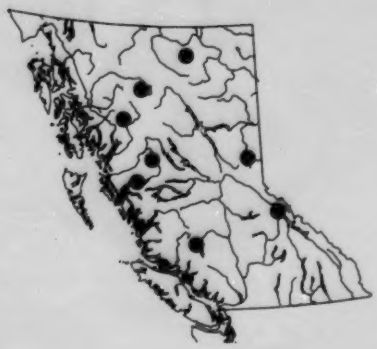
Douglasia laevigata var. *ciliolata*



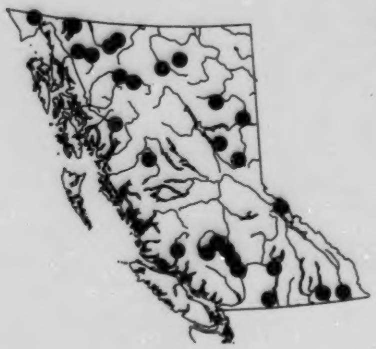
Downingia elegans



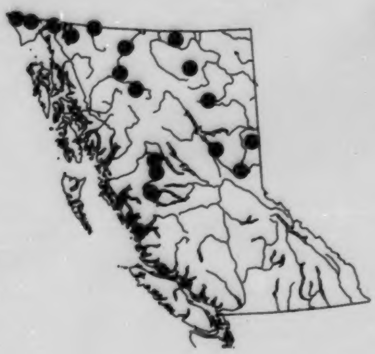
Draba albertina



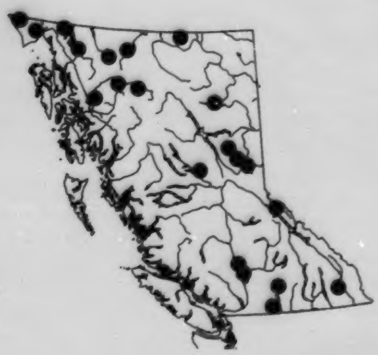
Draba alpina



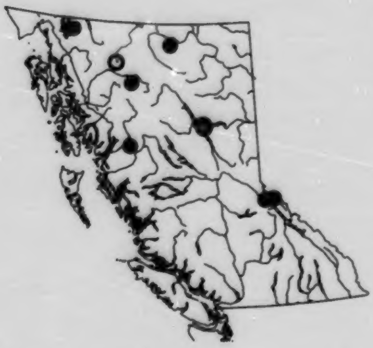
Draba aurea



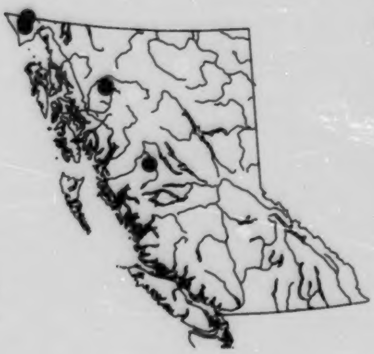
Draba borealis



Draba cana



Draba cinerea



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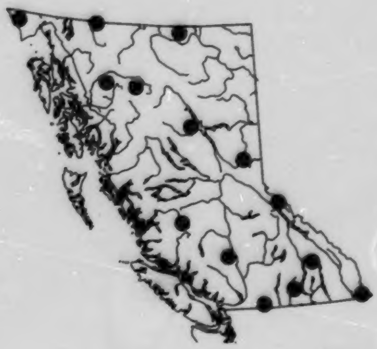
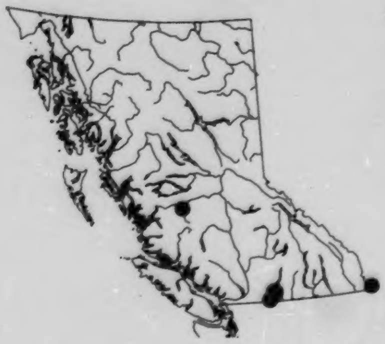
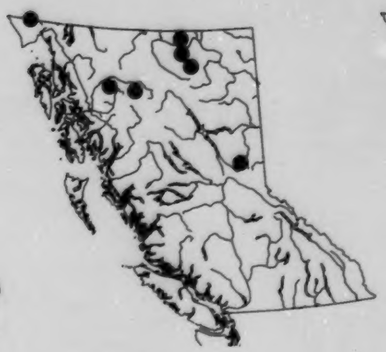


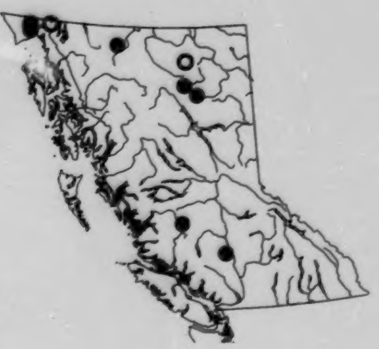
Draba crassifolia



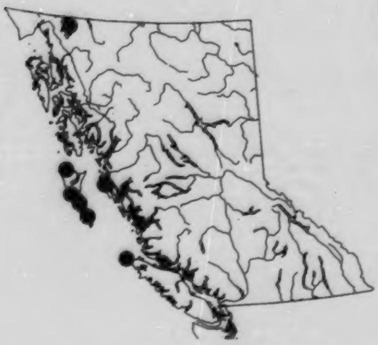
Draba densifolia



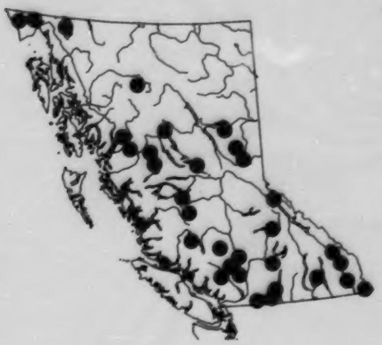
Draba fladnizensis



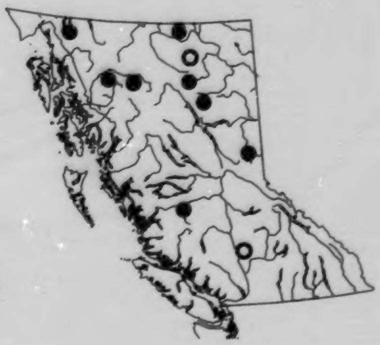
Draba glabella
var. *glabella*



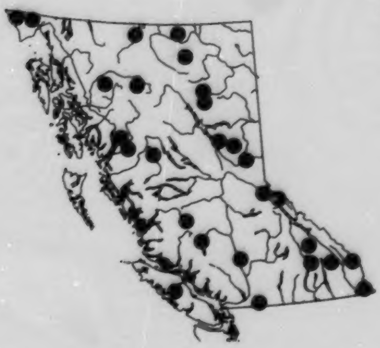
Draba hyperborea



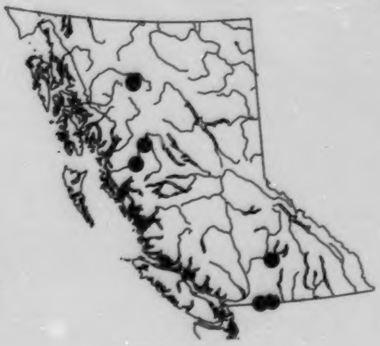
Draba incerta



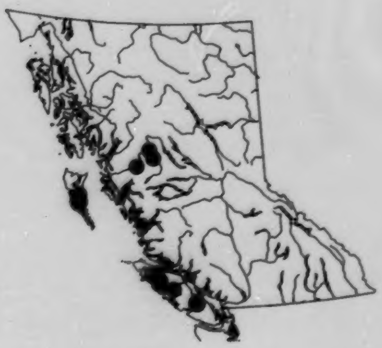
Draba lactea



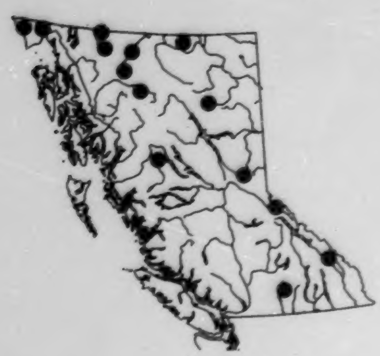
Draba lonchocarpa
var. *lonchocarpa*



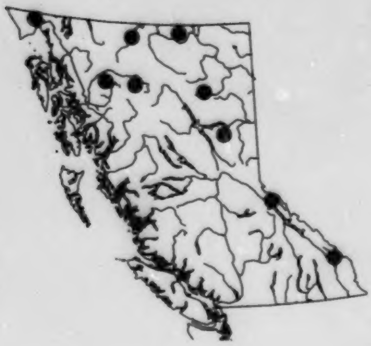
Draba lonchocarpa
var. *thompsonii*



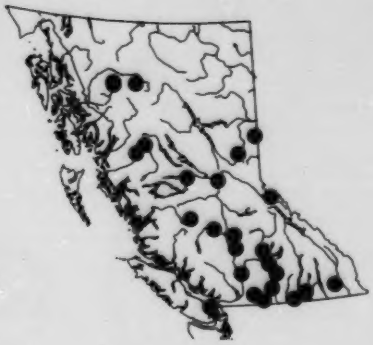
Draba lonchocarpa
var. *vestita*



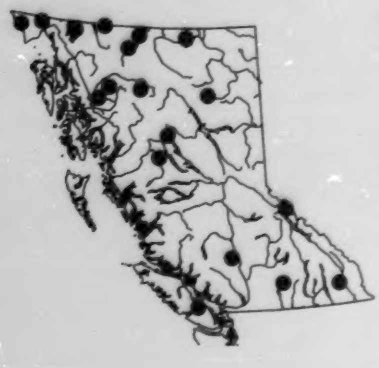
Draba longipes



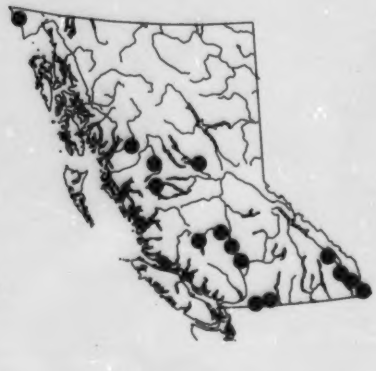
Draba macounii



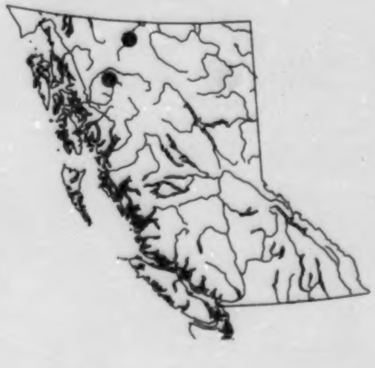
Draba nemorosa



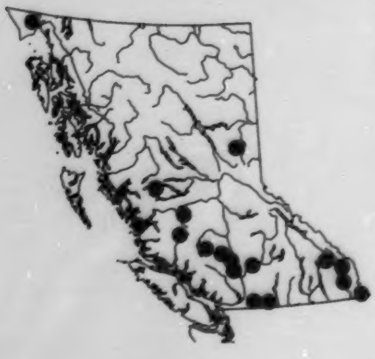
Draba nivalis



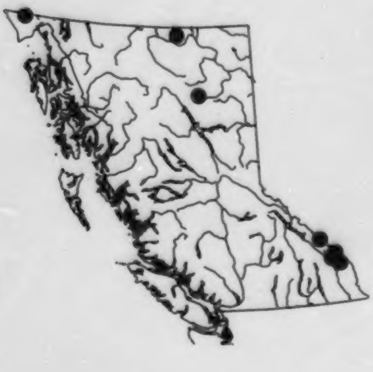
Draba oligosperma



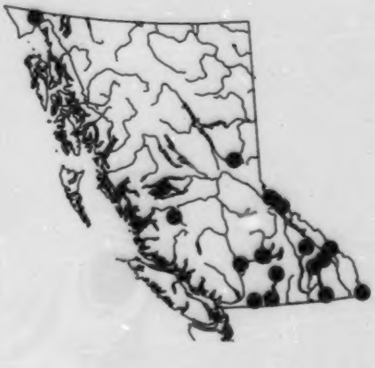
Draba palanderiana



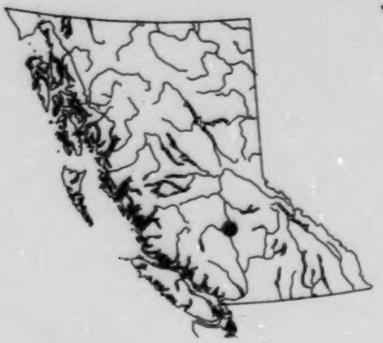
Draba paysonii



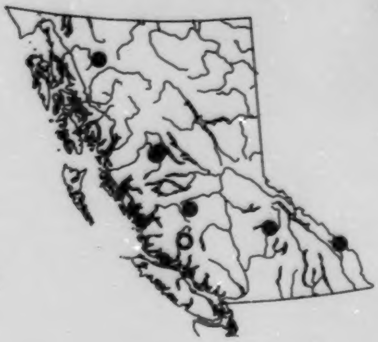
Draba porsildii



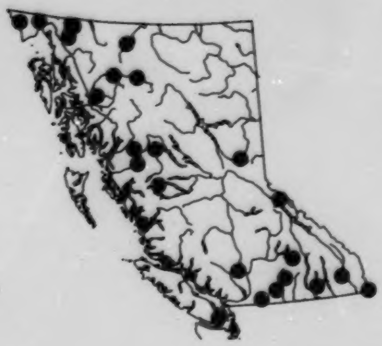
Draba praealta



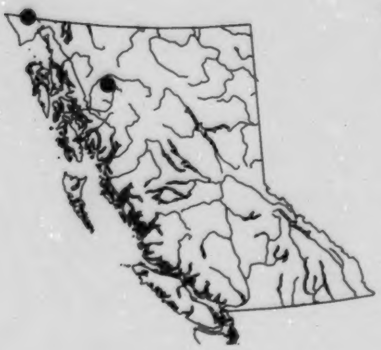
Draba reptans



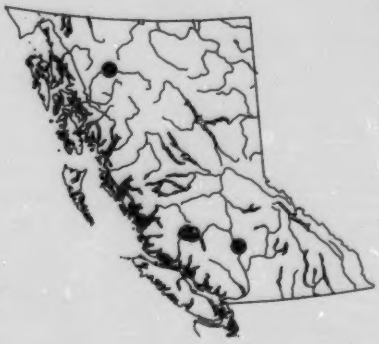
Draba ruaxes



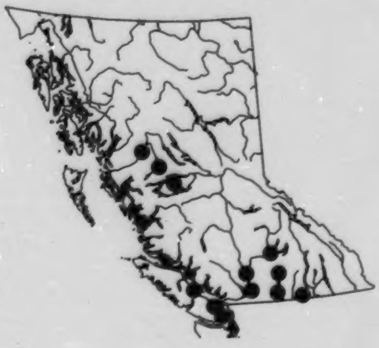
Draba stenoloba



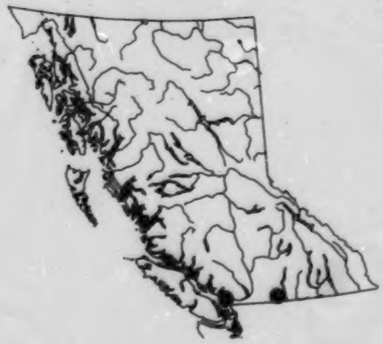
Draba stenopetala



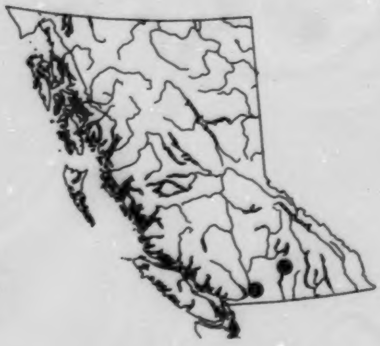
Draba ventosa



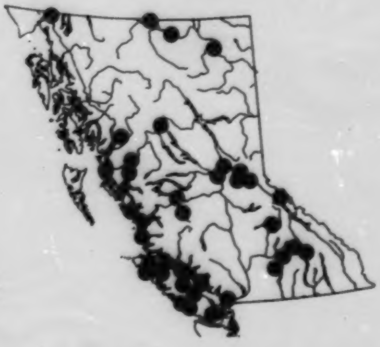
Draba verna



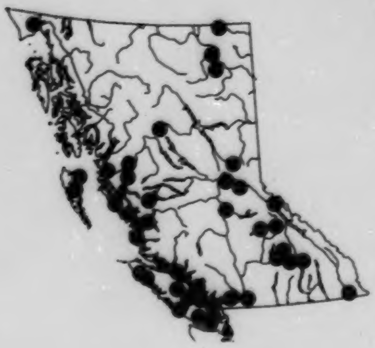
Dracocephalum parviflorum



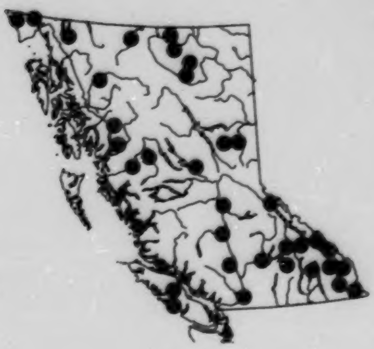
Dracocephalum thymiflorum



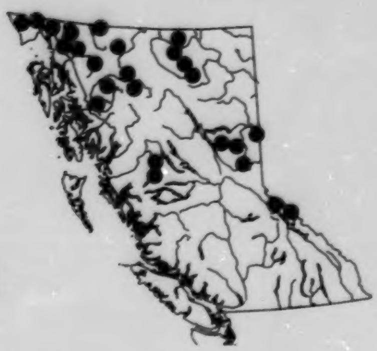
Drosera anglica



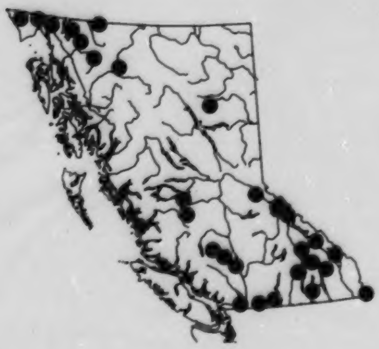
Drosera rotundifolia
var. *rotundifolia*



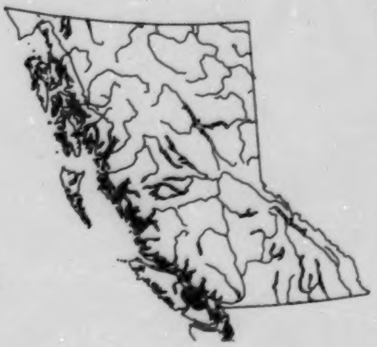
Dryas drummondii
sensu lato



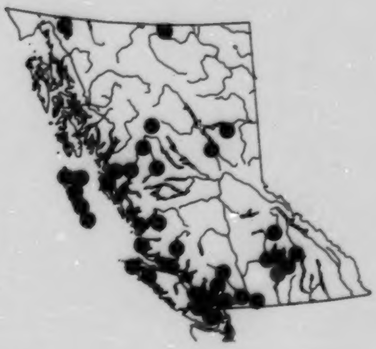
Dryas integrifolia
sensu lato



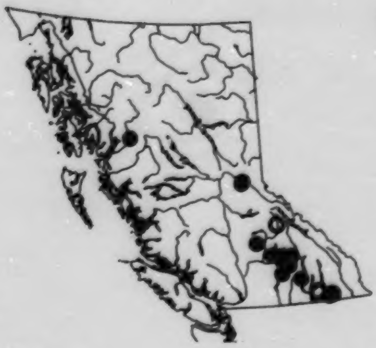
Dryas octopetala
sensu lato



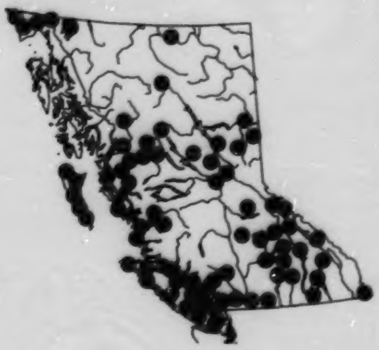
Dryopteris arguta



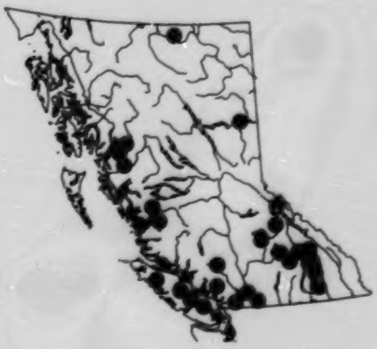
Dryopteris carthusiana



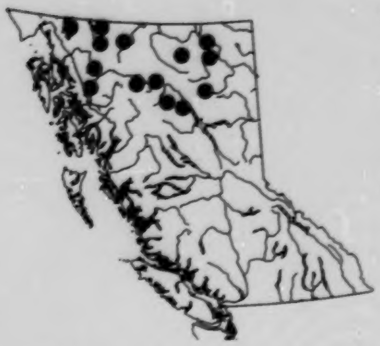
Dryopteris cristata



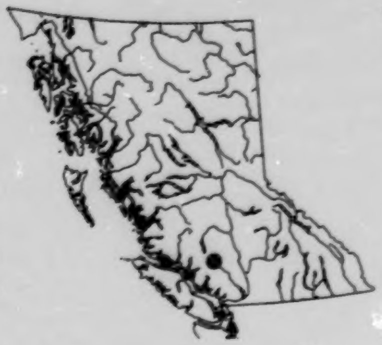
Dryopteris expansa



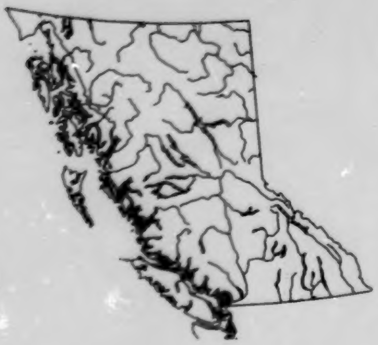
Dryopteris filix-mas



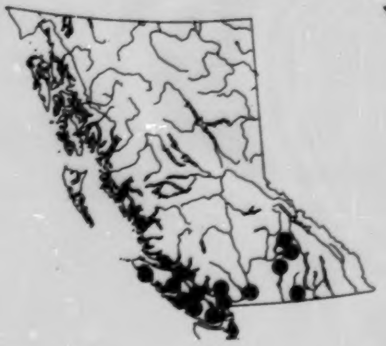
Dryopteris fragrans



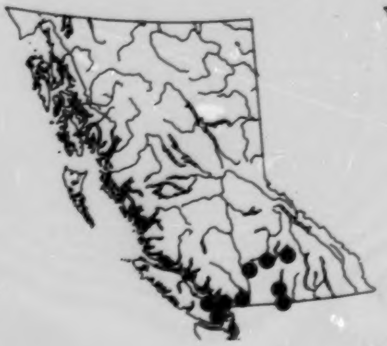
Dryopteris marginalis



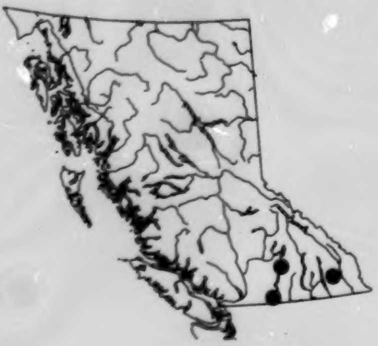
Duchesnea indica



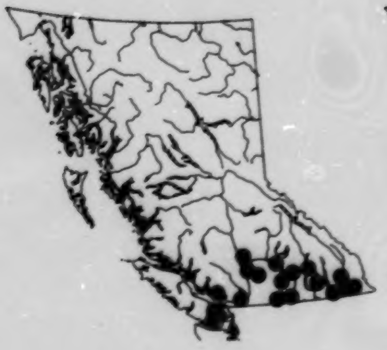
Dulichium arundinaceum



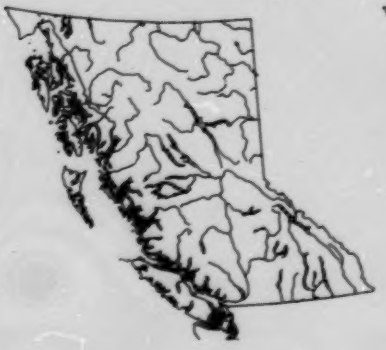
Echinochloa crusgalli



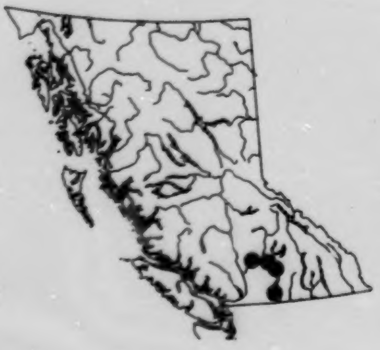
Echinocystis lobata



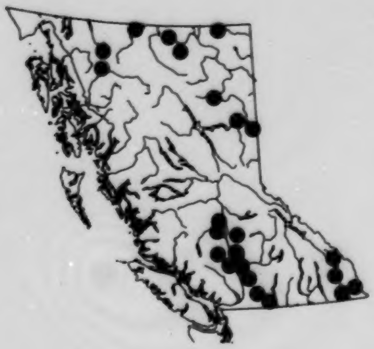
Echium vulgare



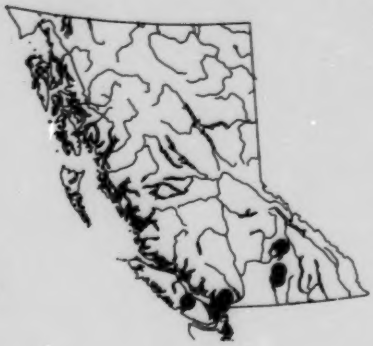
Egeria densa



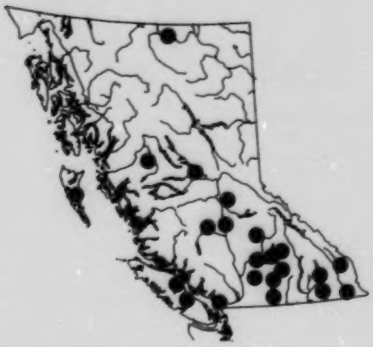
Elaeagnus angustifolia



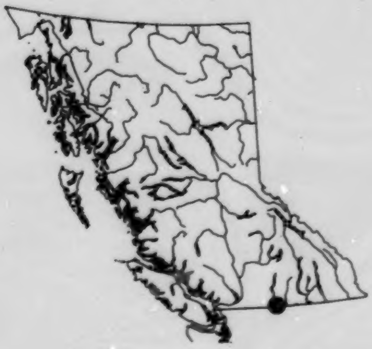
Elaeagnus commutata



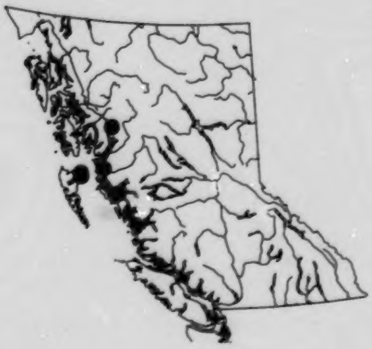
Elatine rubella



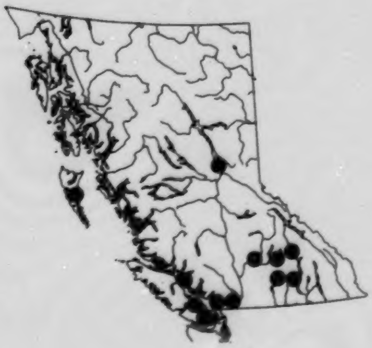
Eleocharis acicularis



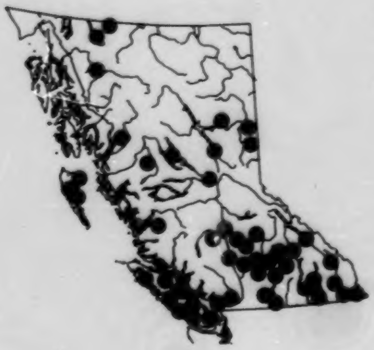
Eleocharis atropurpurea



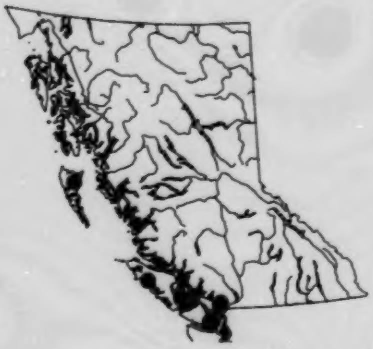
Eleocharis kamtschatica



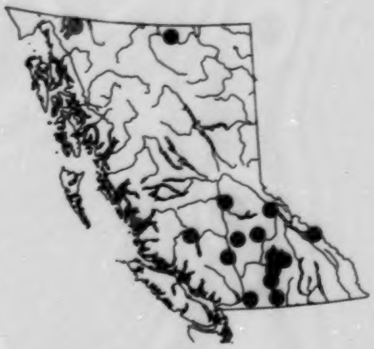
Eleocharis obtusa



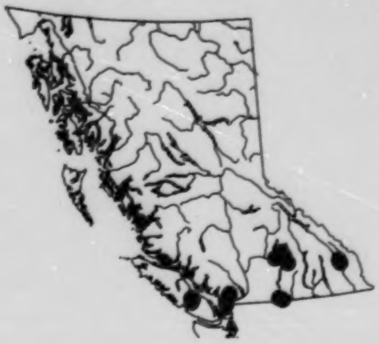
Eleocharis palustris



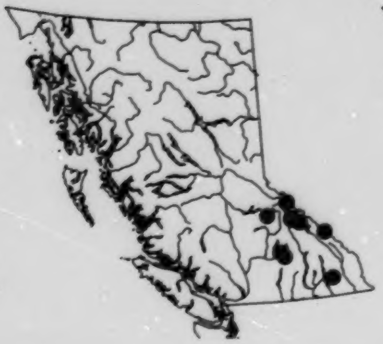
Eleocharis parvula



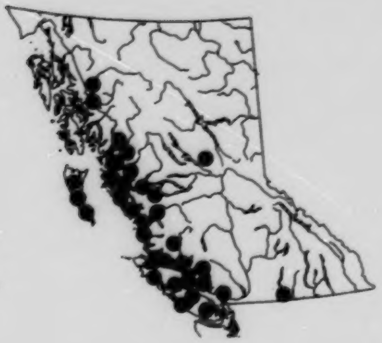
Eleocharis quinqueflora



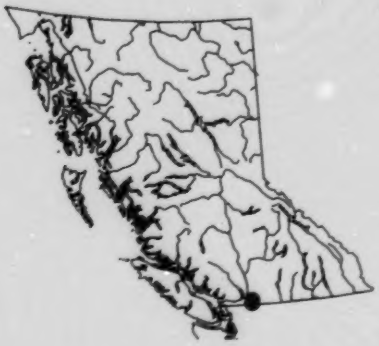
Eleocharis rostellata



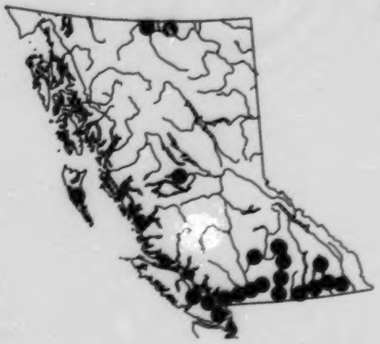
Eleocharis tenuis



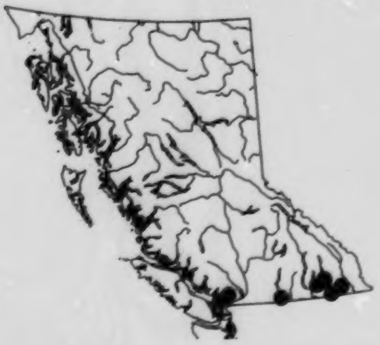
Elliottia pyroliflorus



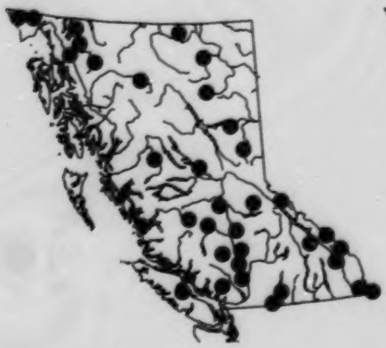
Elmera racemosa var. *racemosa*



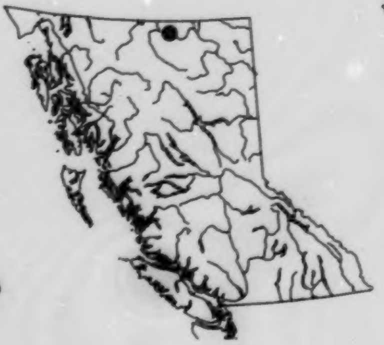
Elodea canadensis



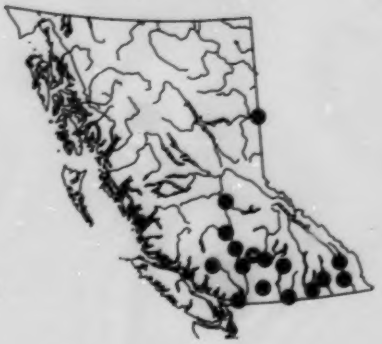
Elodea nuttallii



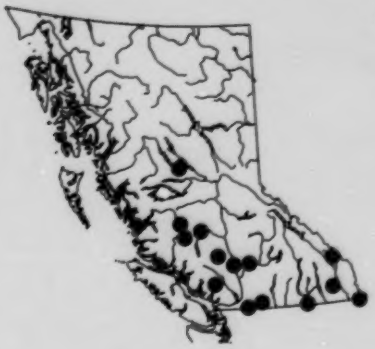
Elymus alaskanus
ssp. *latiglumis*



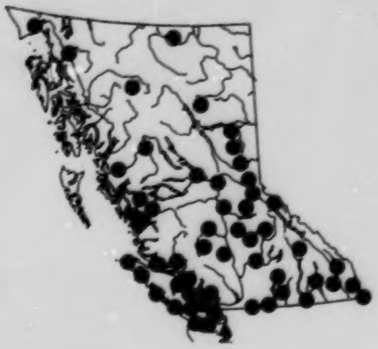
Elymus calderi



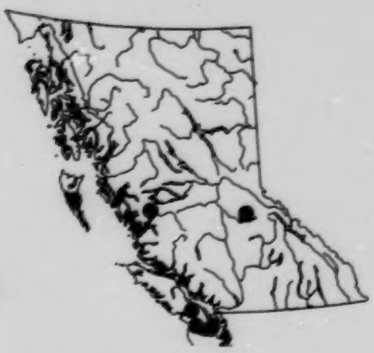
Elymus canadensis



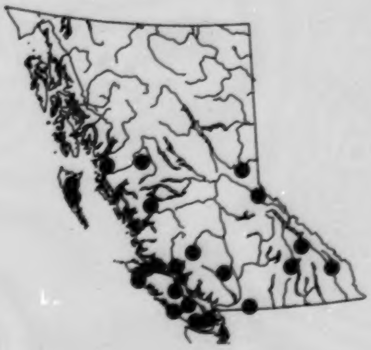
Elymus elymoides sensu lato



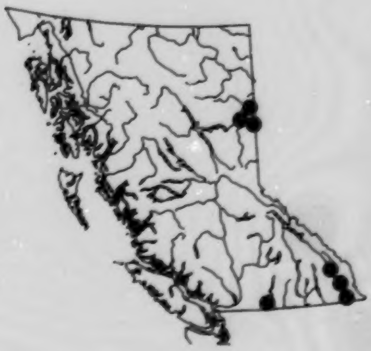
Elymus glaucus ssp. *glaucus*



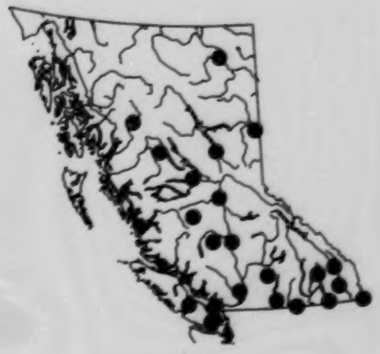
Elymus glaucus ssp. *virescens*



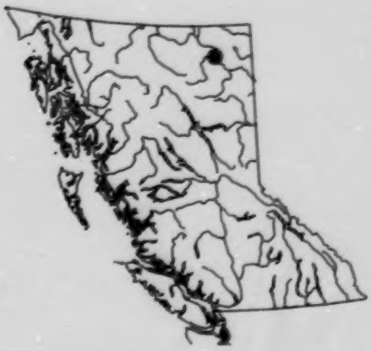
Elymus hirsutus



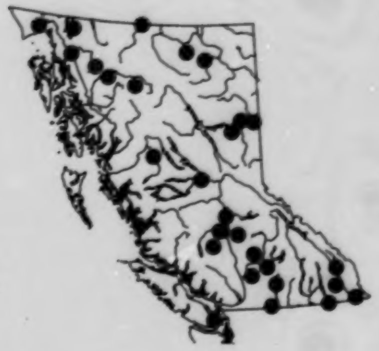
Elymus lanceolatus
ssp. *lanceolatus*



Elymus repens



Elymus sibiricus



Elymus trachycaulus
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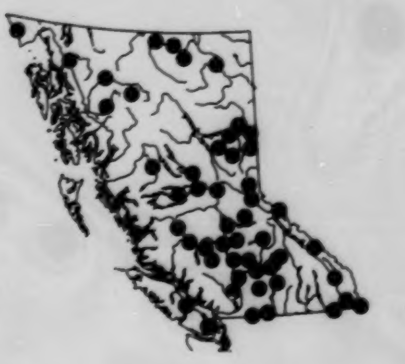
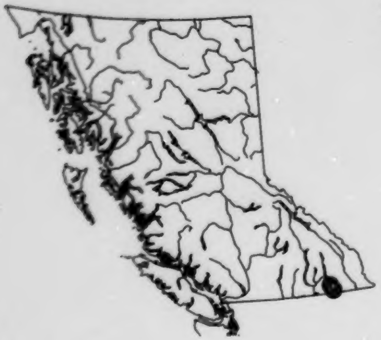
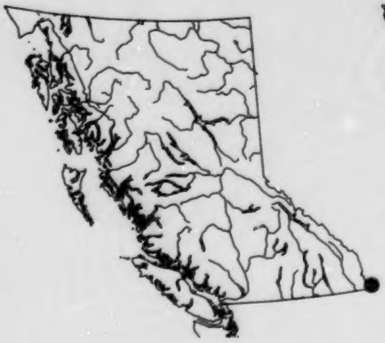


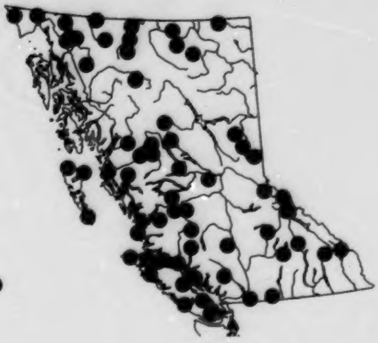
Elymus trachycaulus
ssp. *trachycaulus*



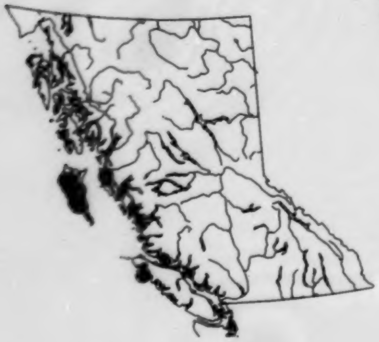
Elymus virginicus
var. *submuticus*



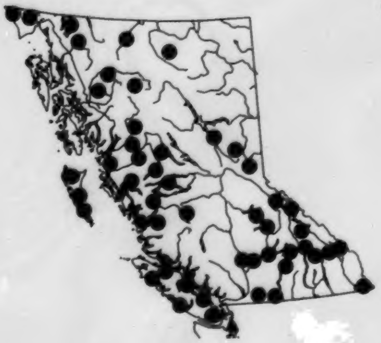
Elymus x albicans



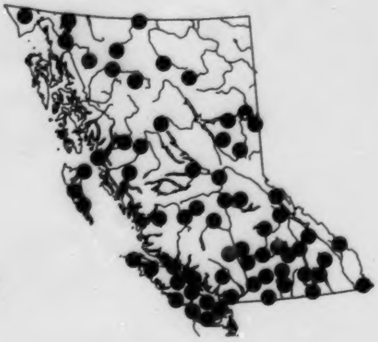
Empetrum nigrum



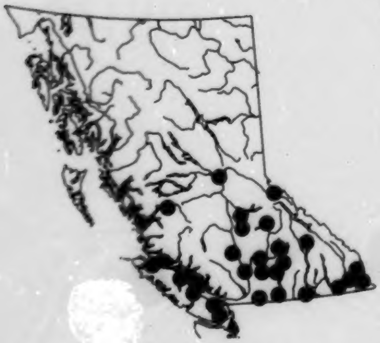
Enemion savilei



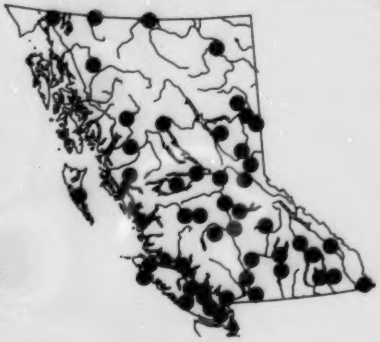
Epilobium anagallidifolium



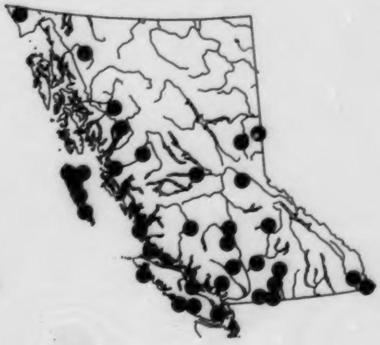
Epilobium angustifolium
sensu lato



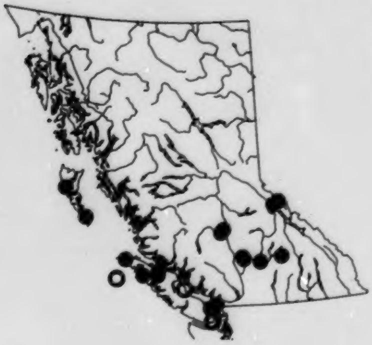
Epilobium brachycarpum



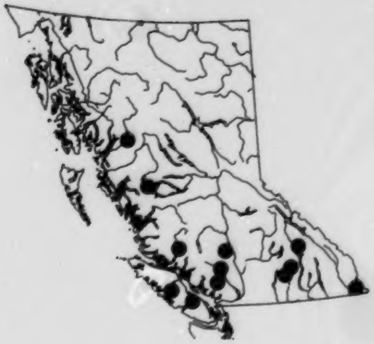
Epilobium ciliatum
ssp. *ciliatum*



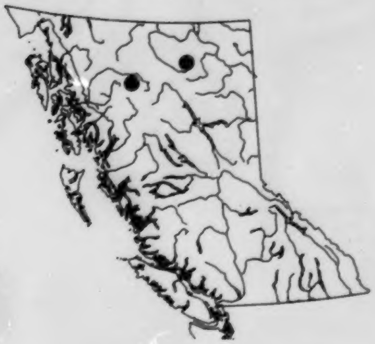
Epilobium ciliatum
ssp. *glandulosum*



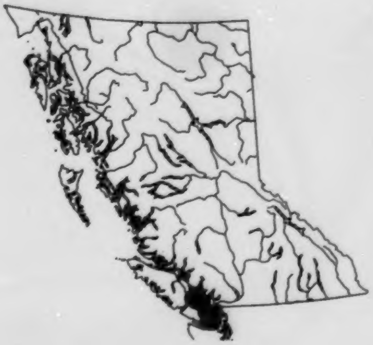
Epilobium ciliatum
ssp. *watsonii*



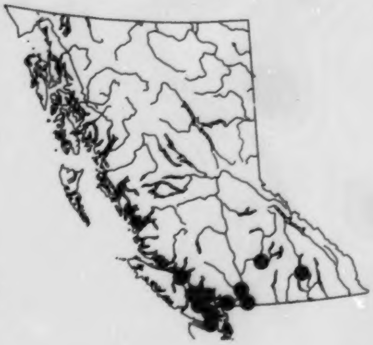
Epilobium clavatum



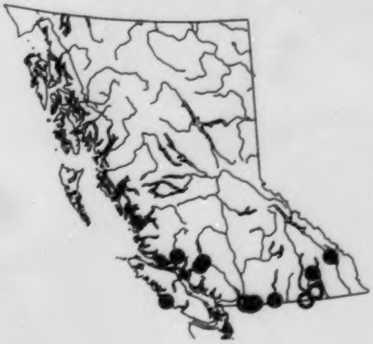
Epilobium davuricum



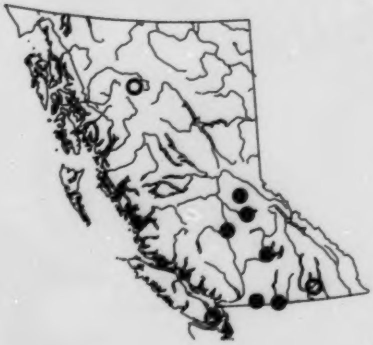
Epilobium densiflorum



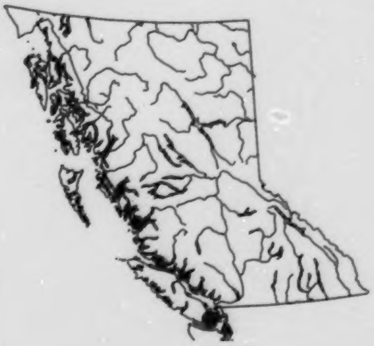
Epilobium foliosum



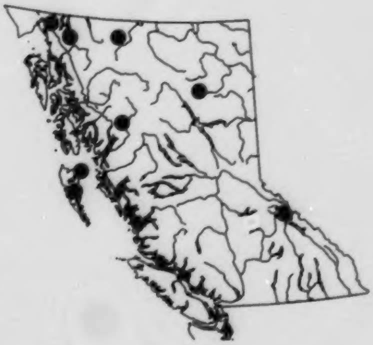
Epilobium glaberrimum
ssp. *fastigiatum*



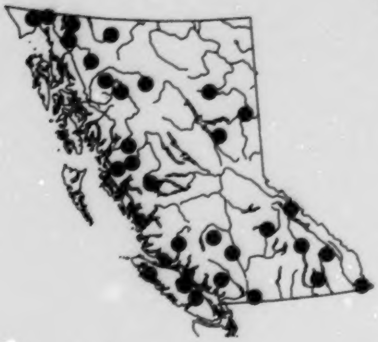
Epilobium halleanum



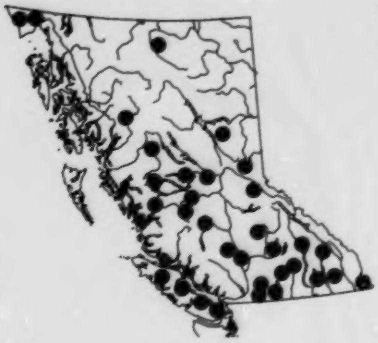
Epilobium hirsutum



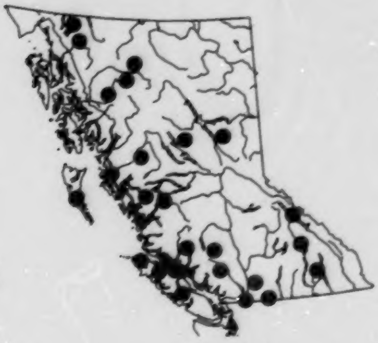
Epilobium hornemannii
ssp. *behringianum*



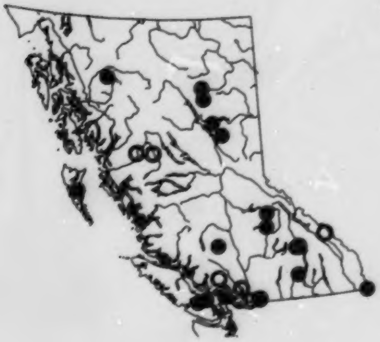
Epilobium hornemannii
ssp. *hornemannii*



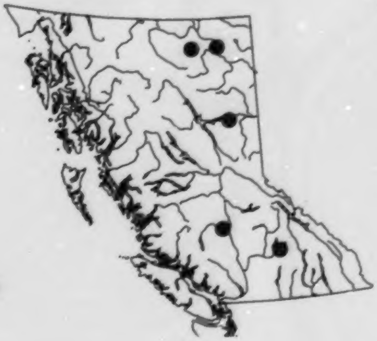
Epilobium lactiflorum



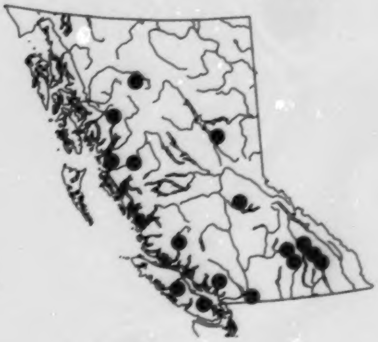
Epilobium latifolium



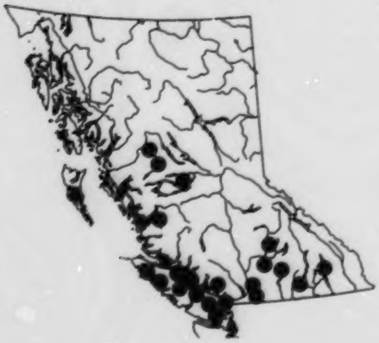
Epilobium leptocarpum



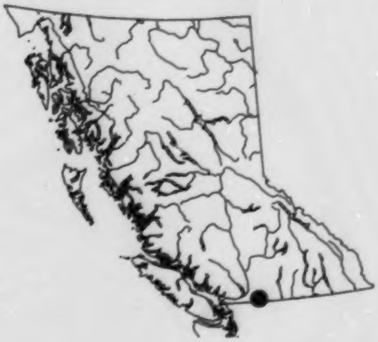
Epilobium leptophyllum



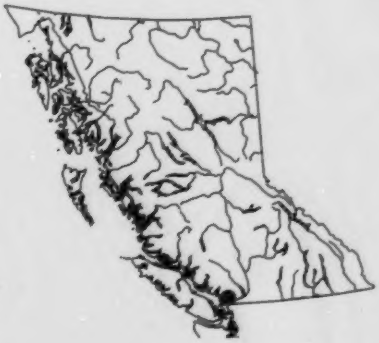
Epilobium luteum



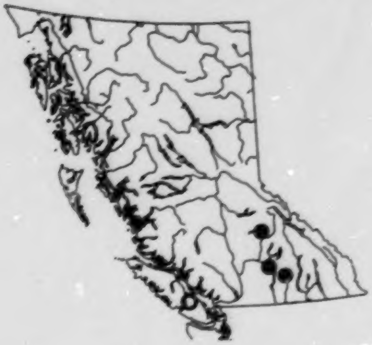
Epilobium minutum



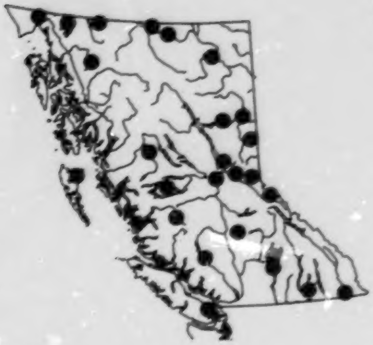
Epilobium mirabile



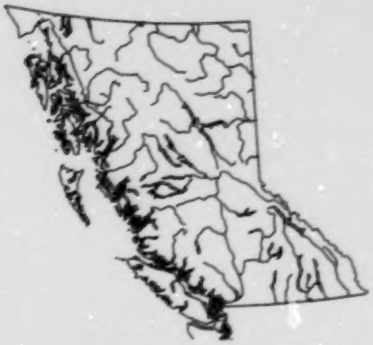
Epilobium montanum



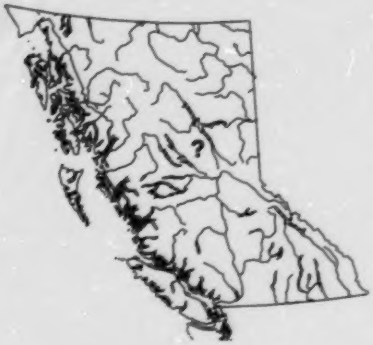
Epilobium oregonense



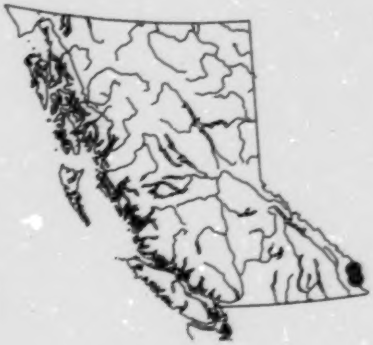
Epilobium palustre



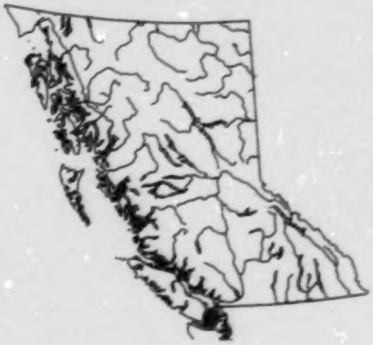
Epilobium parviflorum



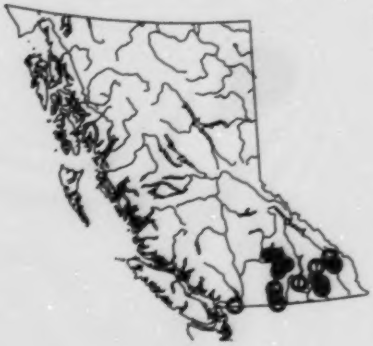
Epilobium pygmaeum



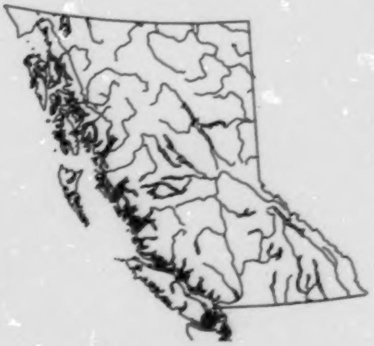
Epilobium saximontanum



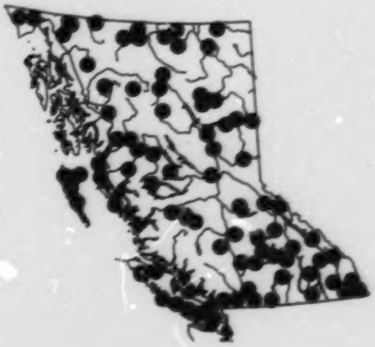
Epilobium torreyi



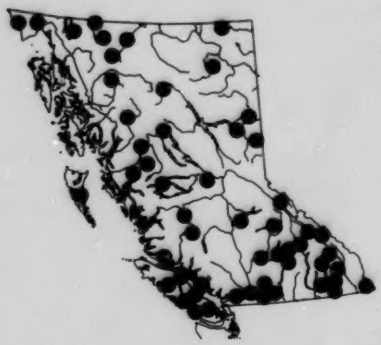
Epipactis gigantea



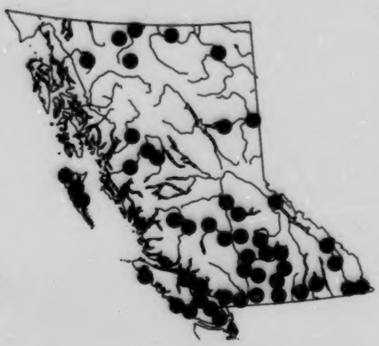
Epipactis helleborine



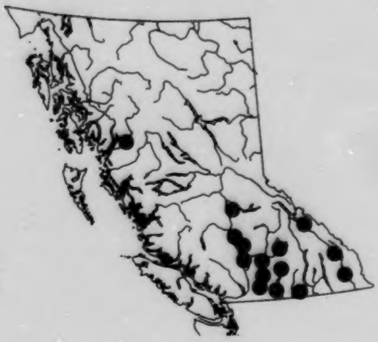
Equisetum arvense



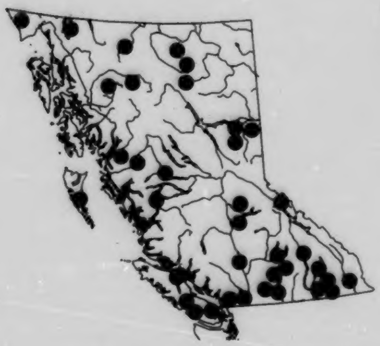
Equisetum fluviatile



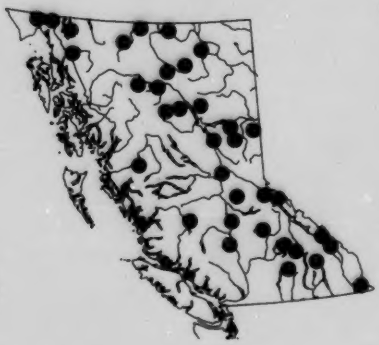
Equisetum hyemale
ssp. *affine*



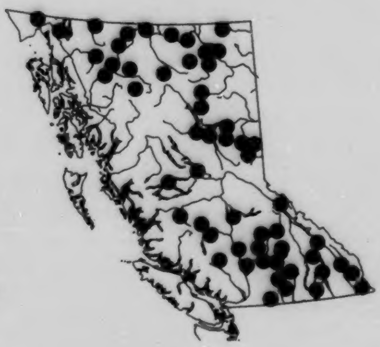
Equisetum laevigatum



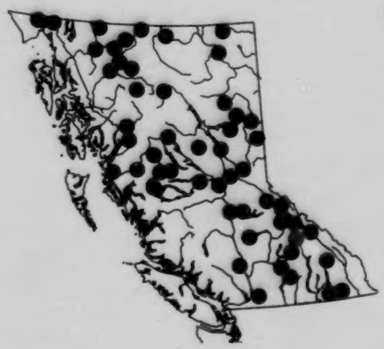
Equisetum palustre



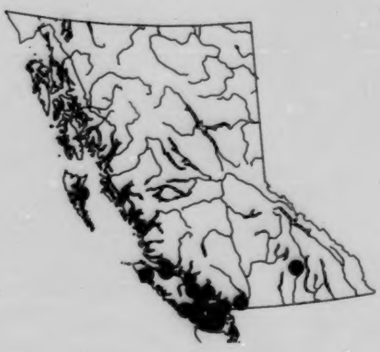
Equisetum pratense



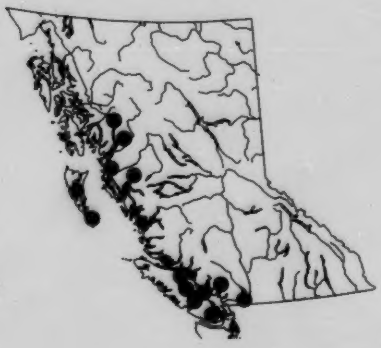
Equisetum scirpoides



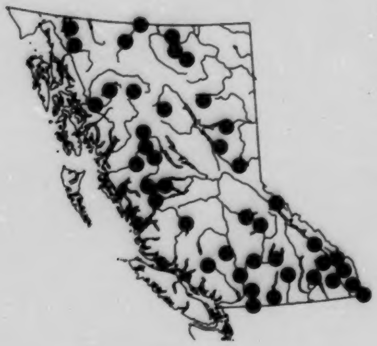
Equisetum sylvaticum



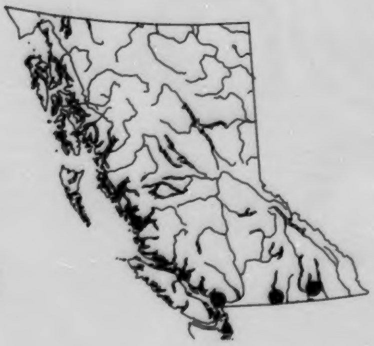
Equisetum telmateia
ssp. *braunii*



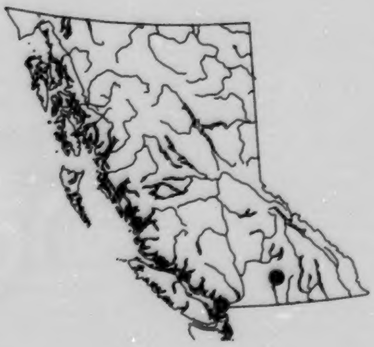
Equisetum variegatum
ssp. *alaskanum*



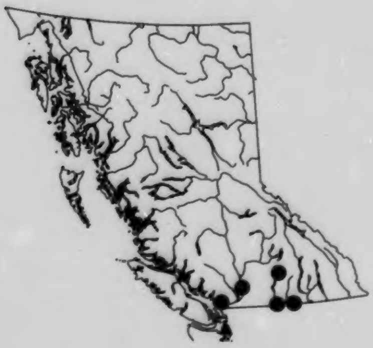
Equisetum variegatum
ssp. *variegatum*



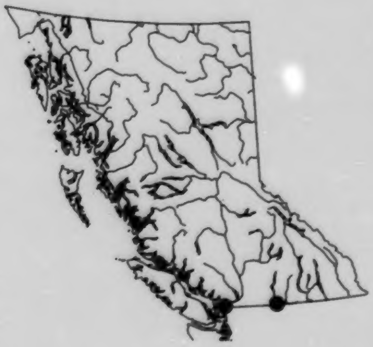
Eragrostis cilianensis



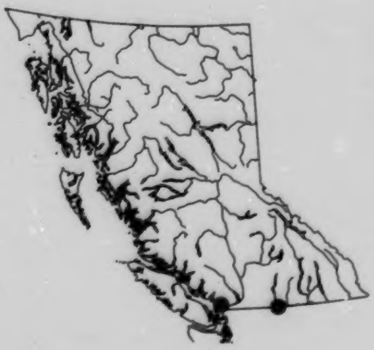
Eragrostis mexicana
ssp. *virescens*



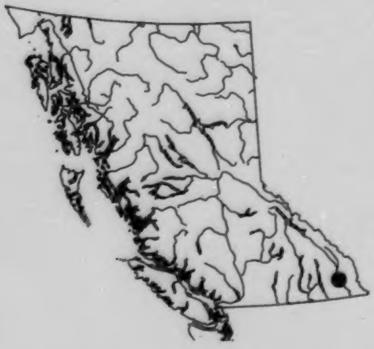
Eragrostis minor



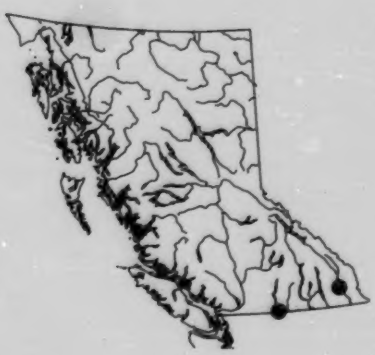
Eragrostis pectinacea



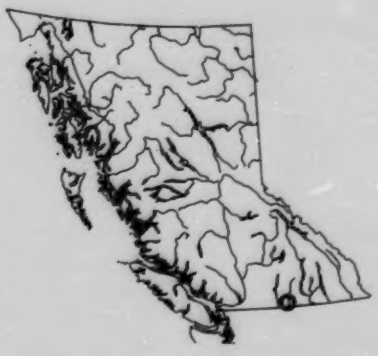
Eragrostis pilosa



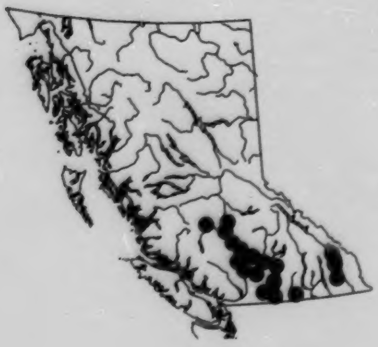
Eremopyrum orientale



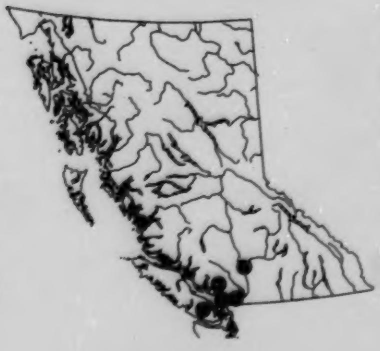
Eremopyrum triticeum



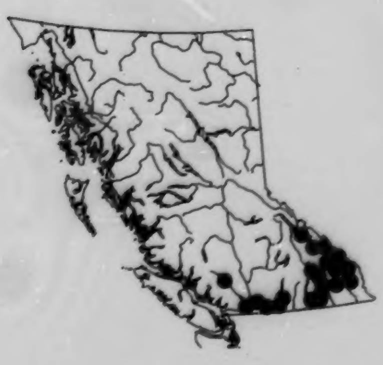
Ericameria bloomeri



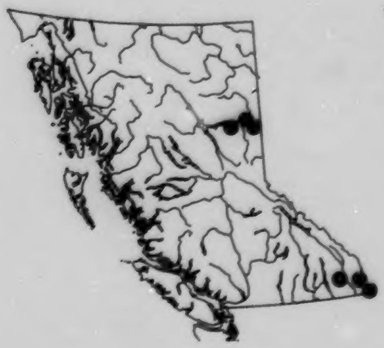
Ericameria nauseosus
var. *speciosa*



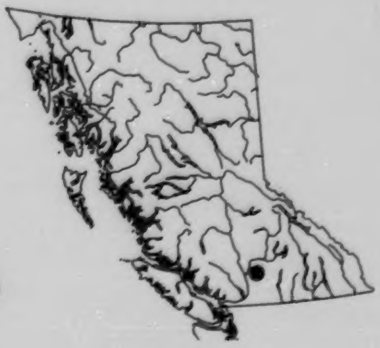
Erigeron annuus



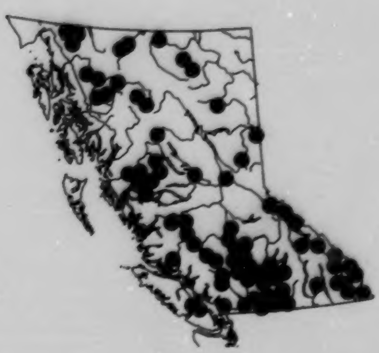
Erigeron aureus



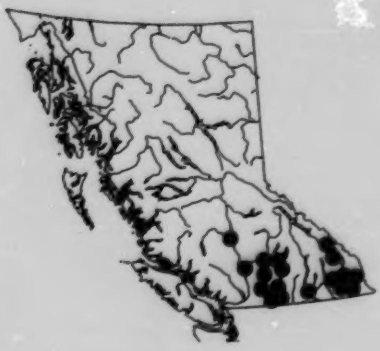
Erigeron caespitosus



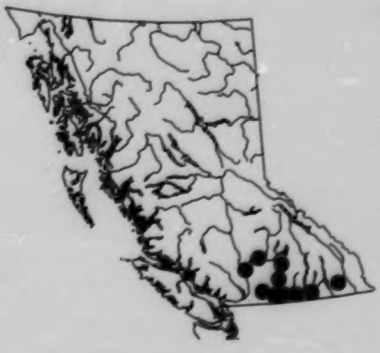
Erigeron compositus
var. *discoideus*



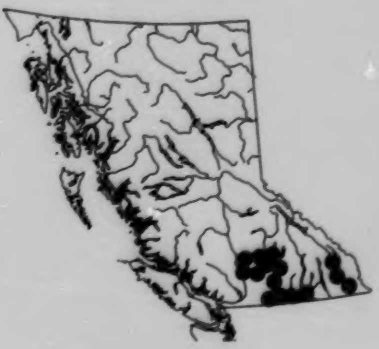
Erigeron compositus
var. *glabratus*



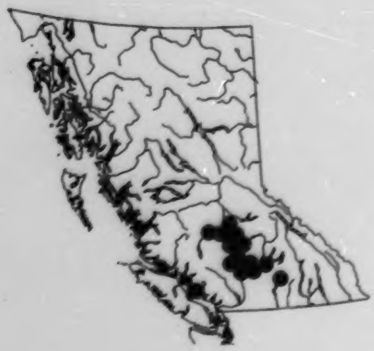
Erigeron corymbosus



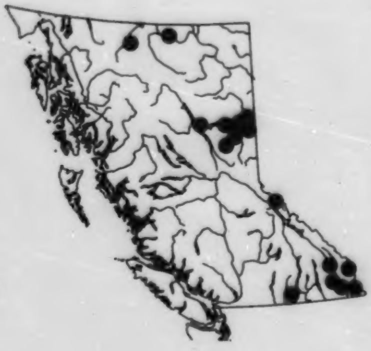
Erigeron divergens
var. *divergens*



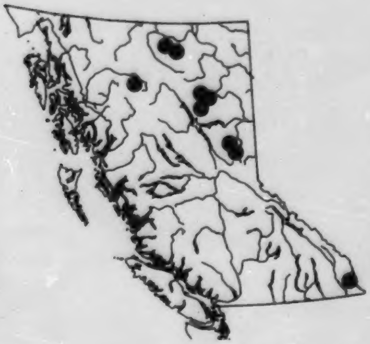
Erigeron filifolius
var. *filifolius*



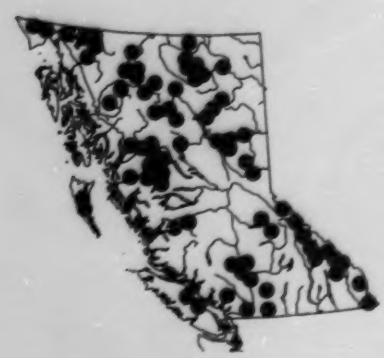
Erigeron flagellaris var. *flagellaris*



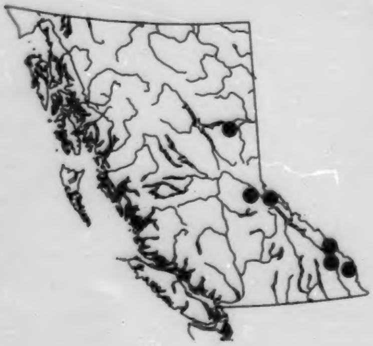
Erigeron glabellus ssp. *pubescens*



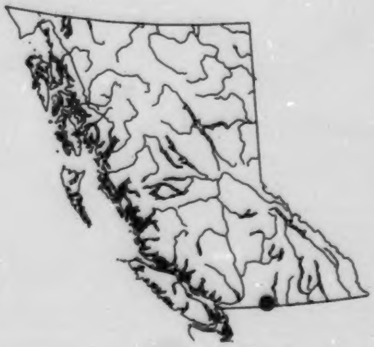
Erigeron grandiflorus



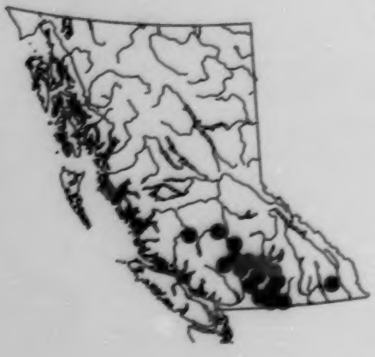
Erigeron humilis



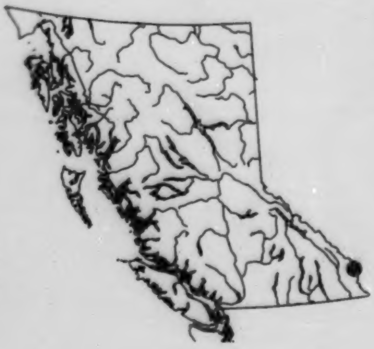
Erigeron lanatus



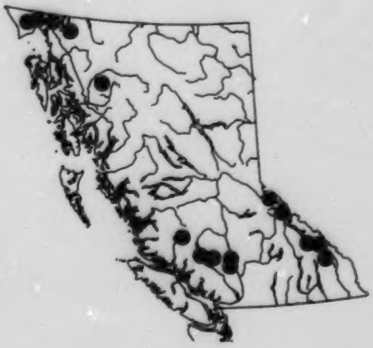
Erigeron leibergii



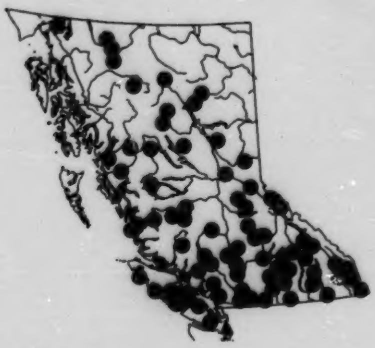
Erigeron linearis



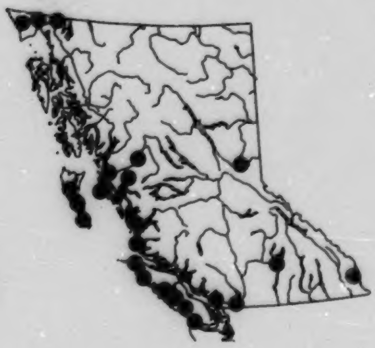
Erigeron ochroleucus var. *scribneri*



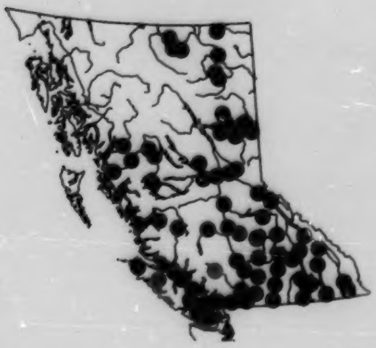
Erigeron pallens



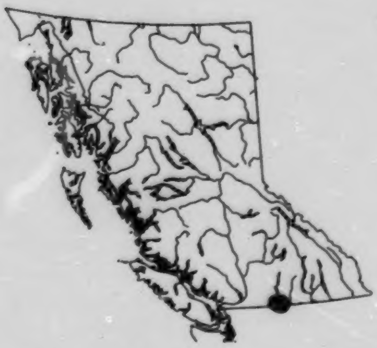
Erigeron peregrinus
ssp. *callianthemus*



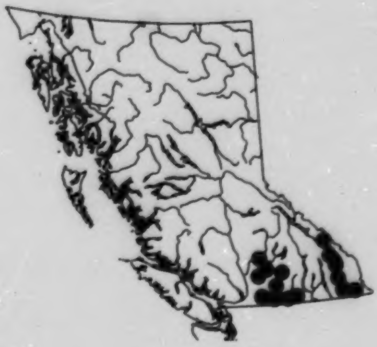
Erigeron peregrinus
ssp. *peregrinus*



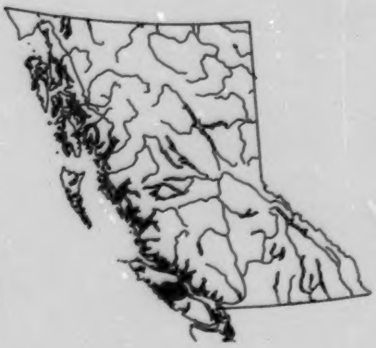
Erigeron philadelphicus



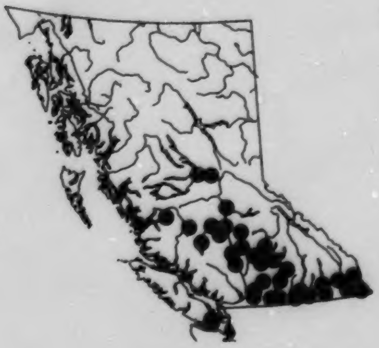
Erigeron poliospermus
var. *poliospermus*



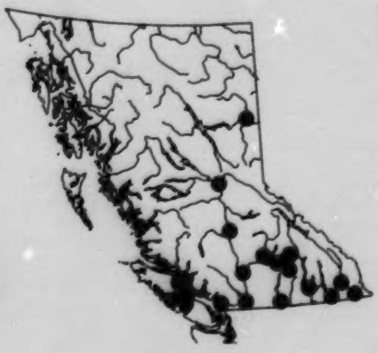
Erigeron pumilus
var. *intermedius*



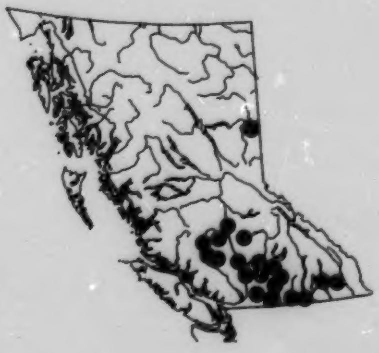
Erigeron salishii



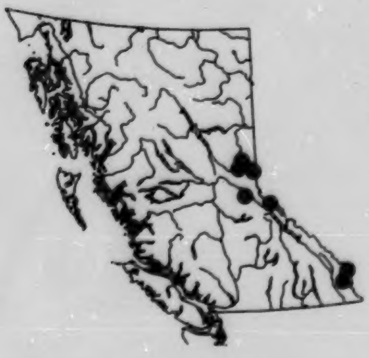
Erigeron speciosus
var. *speciosus*



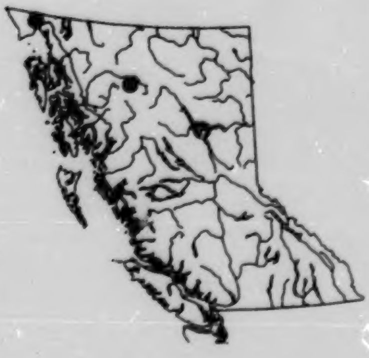
Erigeron strigosus
var. *strigosus*



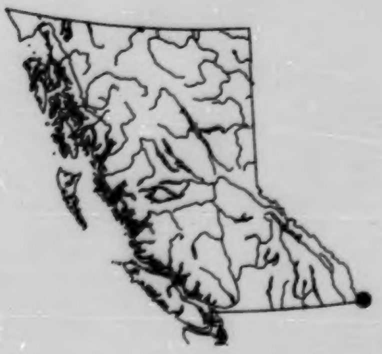
Erigeron subtrinervis
var. *conspicuus*



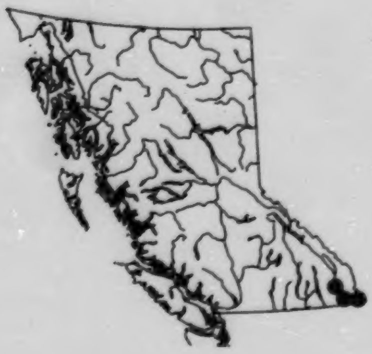
Erigeron trifidus



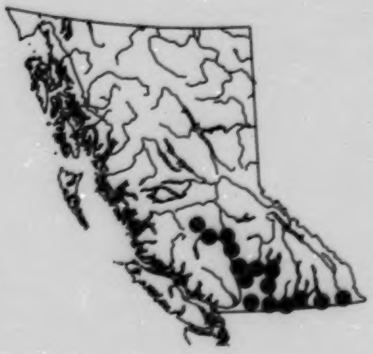
Erigeron uniflorus
ssp. *eriocephalus*



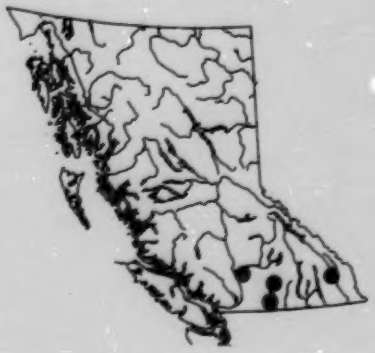
Eriogonum androsaceum



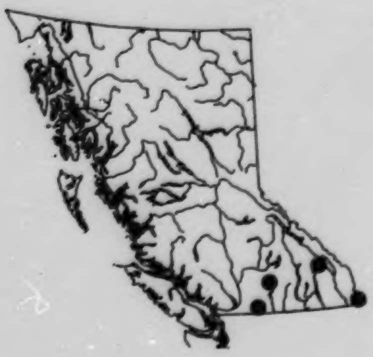
Eriogonum flavum var. *piperi*



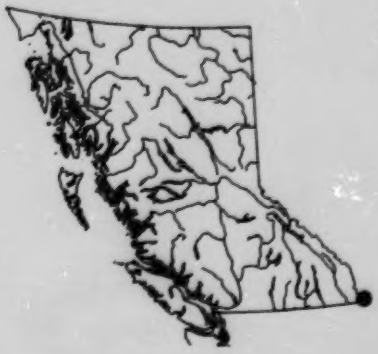
Eriogonum heracleoides
var. *angustifolium*



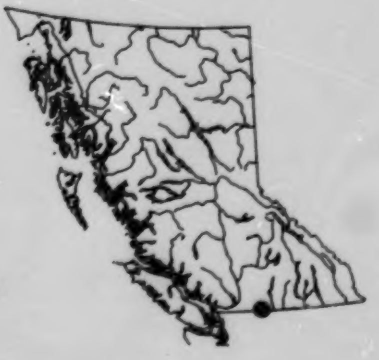
Eriogonum niveum



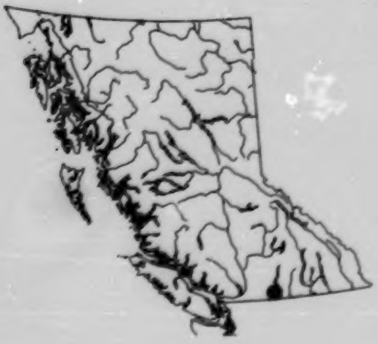
Eriogonum ovalifolium
var. *nivale*



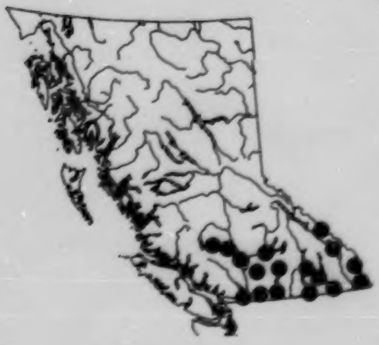
Eriogonum pauciflorum
var. *pauciflorum*



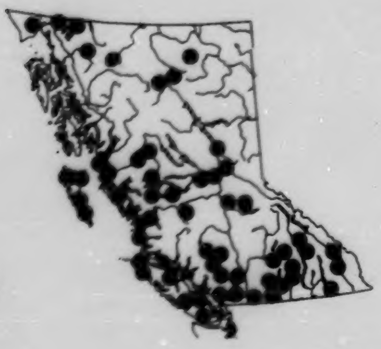
Eriogonum pyrolifolium
var. *coryphaeum*



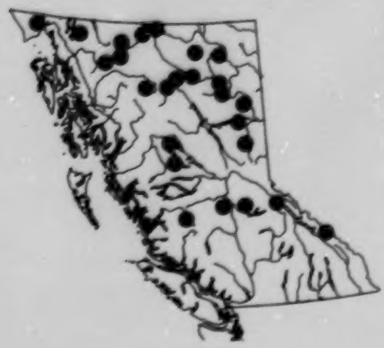
Eriogonum strictum
var. *proliferum*



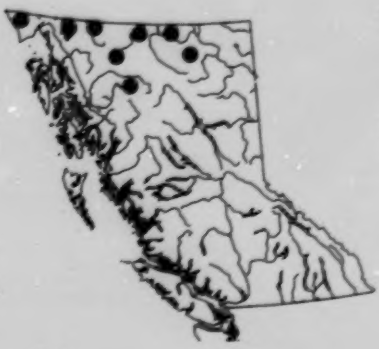
Eriogonum umbellatum
sensu lato



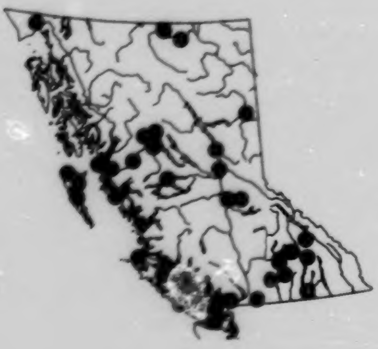
Eriophorum angustifolium



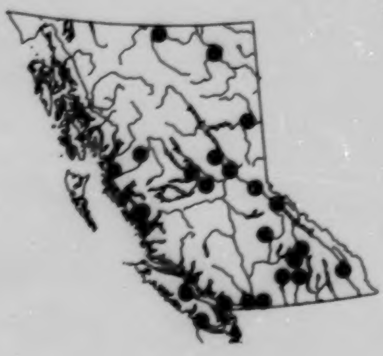
Eriophorum brachyantherum



Eriophorum callitrix



Eriophorum chamissonis
sensu lato



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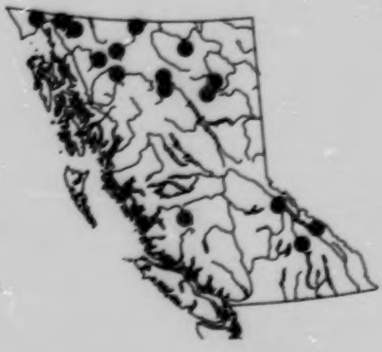

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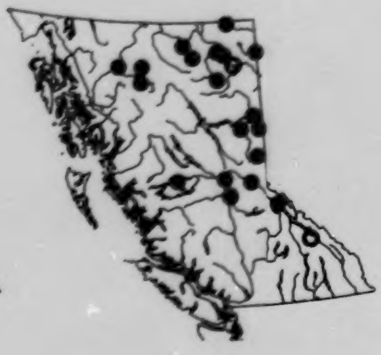
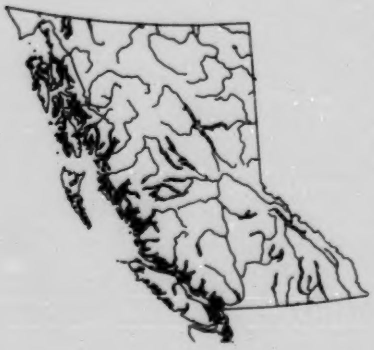
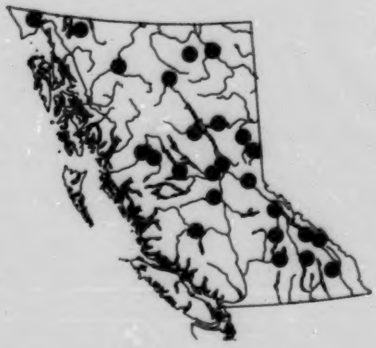


Eriophorum vaginatum
ssp. *vaginatum*



Eriophorum virginicum



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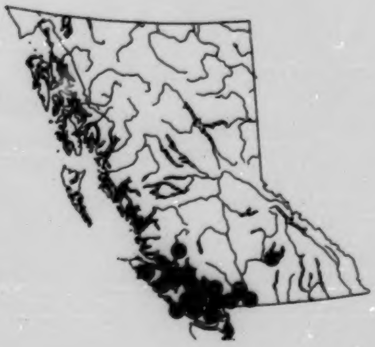

Eriophyllum lanatum
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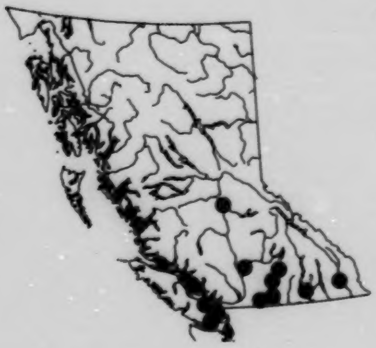

Erodium cicutarium
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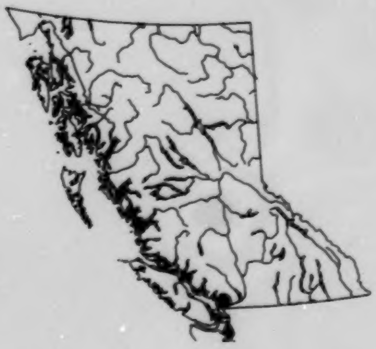
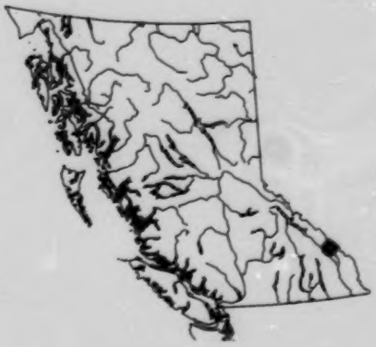
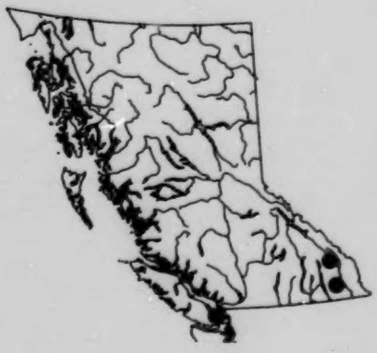


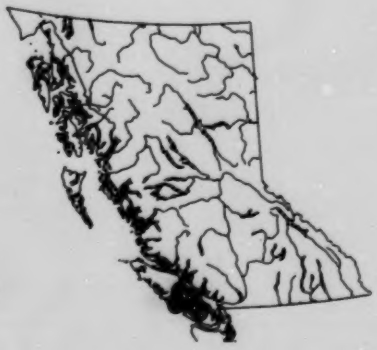
Eruca vesicaria ssp. *sativa*



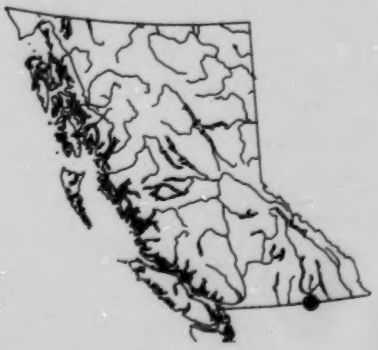
Erucastrum gallicum



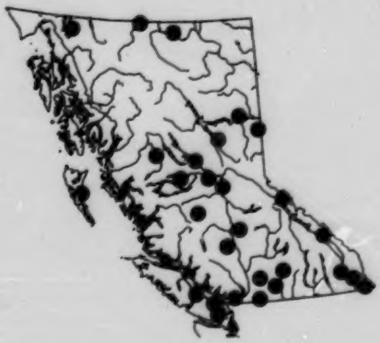
Eryngium planum



Erysimum arenicola
var. *torulosum*



Erysimum asperum



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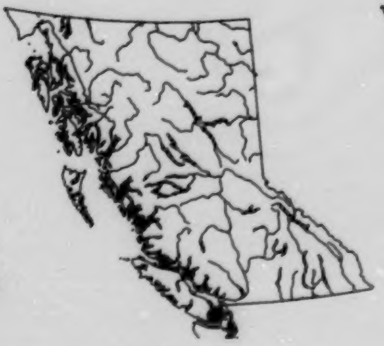
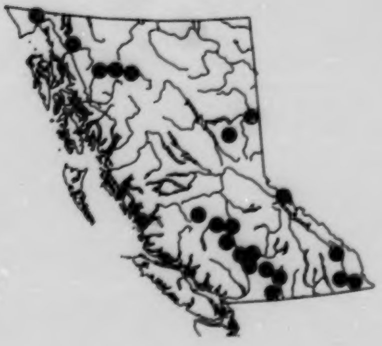
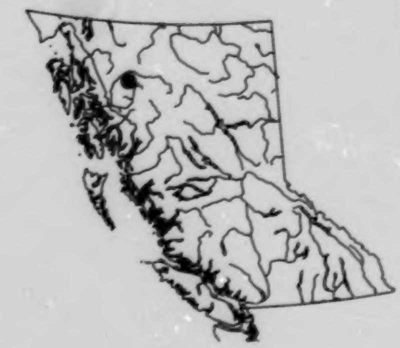


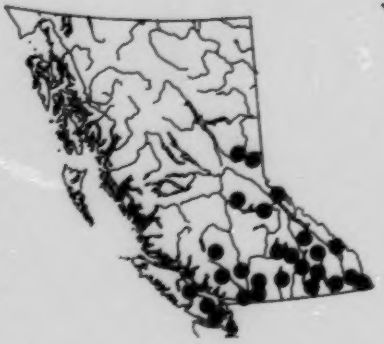
Erysimum cheiri



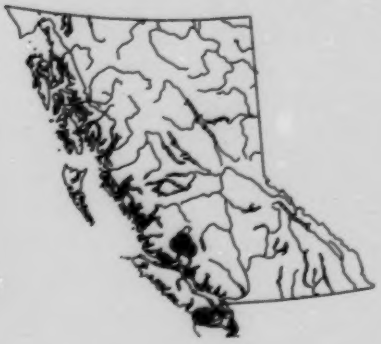
Erysimum inconspicuum



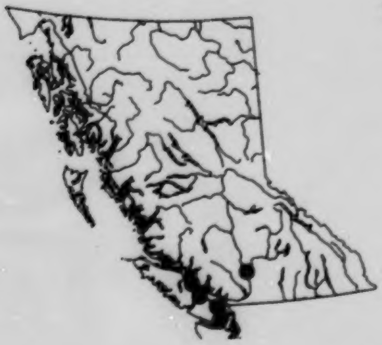
Erysimum pallasii



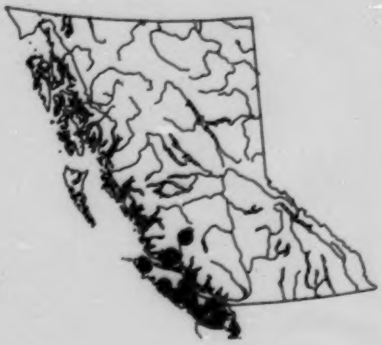
Erythronium grandiflorum ssp. *grandiflorum*



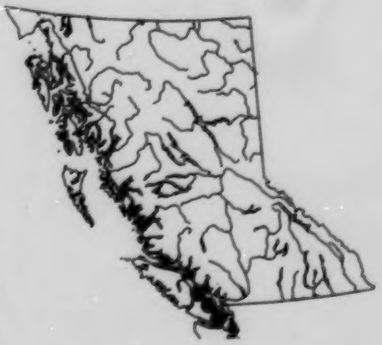
Erythronium montanum



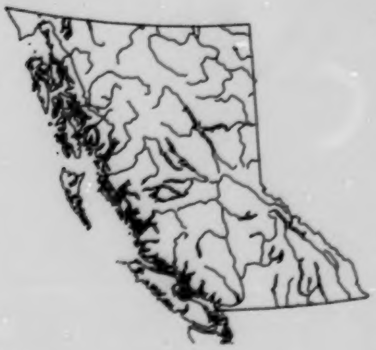
Erythronium oregonum ssp. *oregonum*



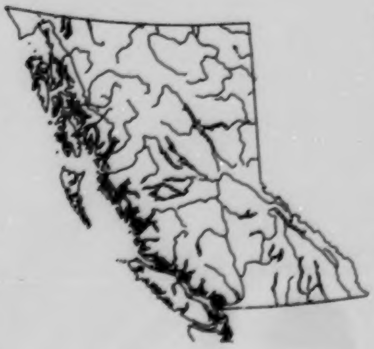
Erythronium revolutum



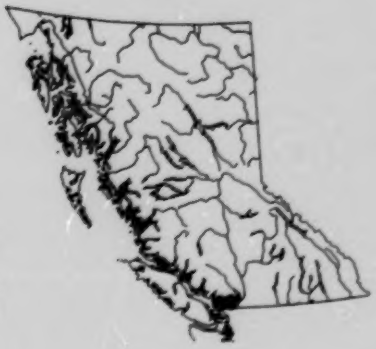
Eschscholzia californica



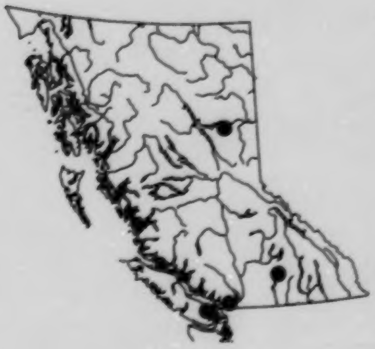
Euonymus occidentalis
var. occidentalis



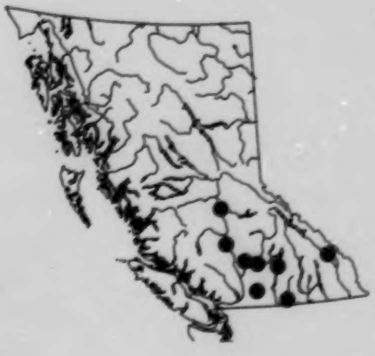
Eupatorium cannabinum



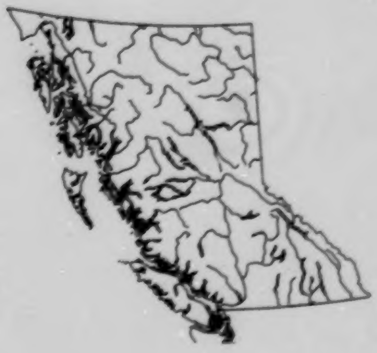
Eupatorium maculatum
ssp. bruneri



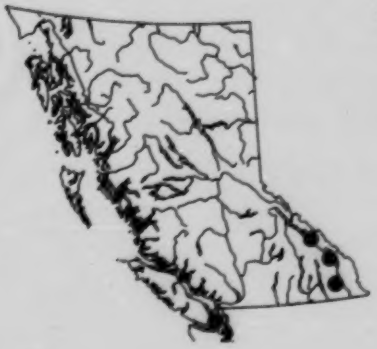
Euphorbia cyparissias



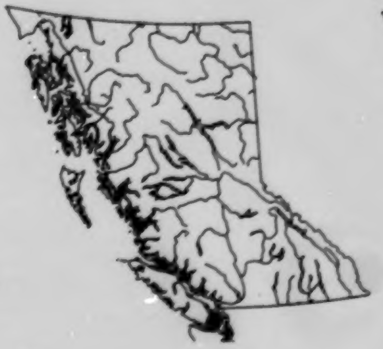
Euphorbia esula



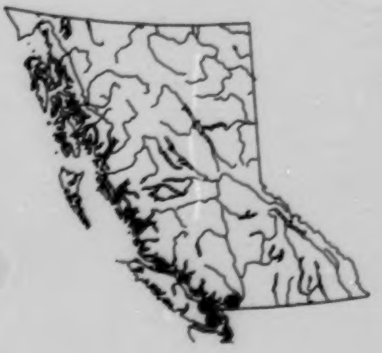
Euphorbia exigua



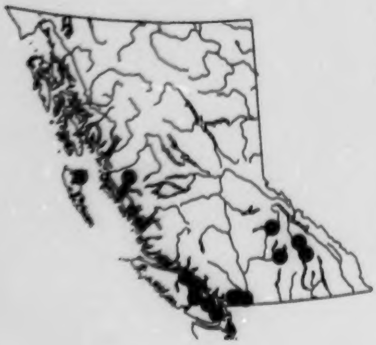
Euphorbia helioscopia



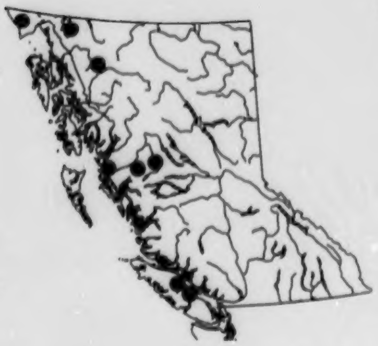
Euphorbia lathyris



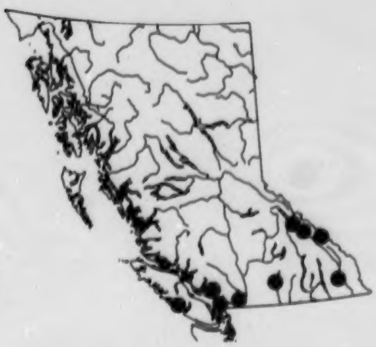
Euphorbia peplus



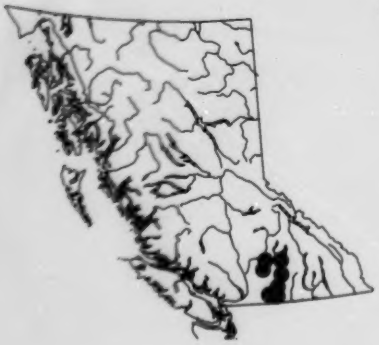
Euphrasia nemorosa



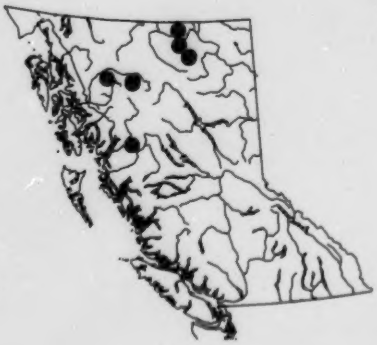
Euphrasia subarctica



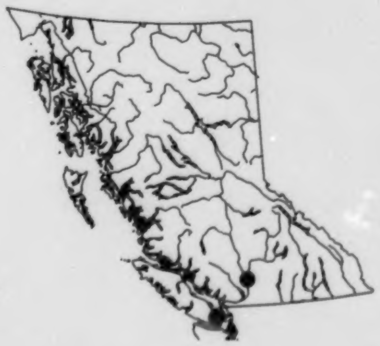
Euthamia graminifolia



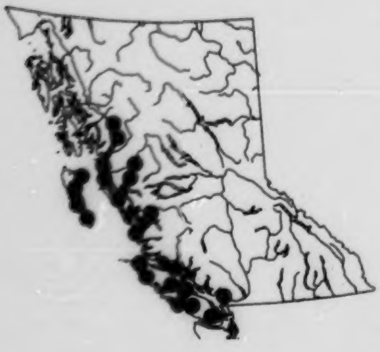
Euthamia occidentalis



Eutrema edwardsii



Fagopyrum esculentum



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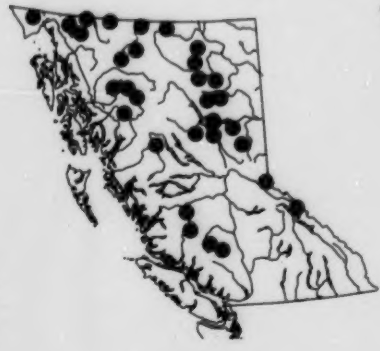
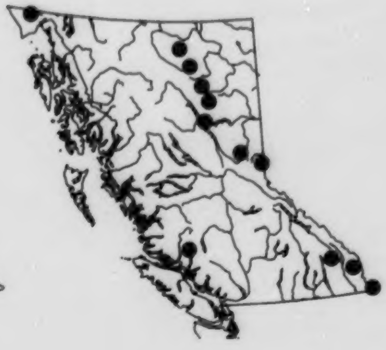
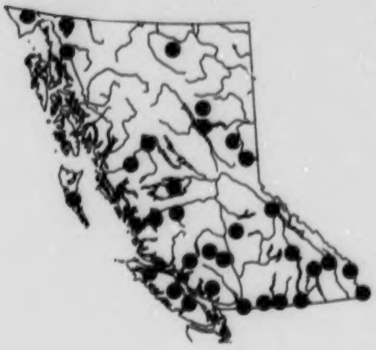


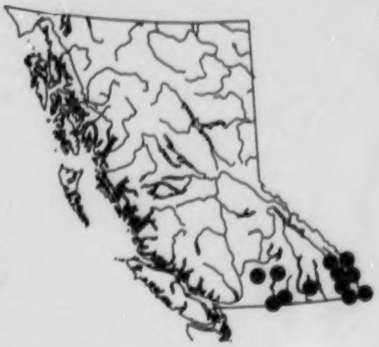
Festuca altaica



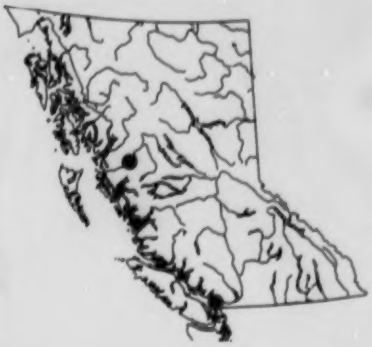
Festuca baffinensis



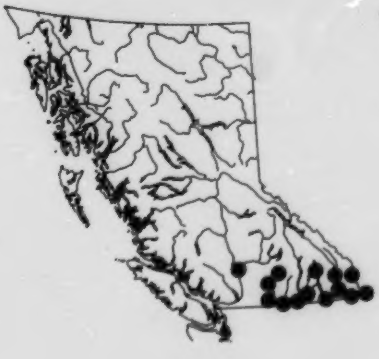
Festuca brachyphylla



Festuca campestris



Festuca filiformis



Festuca idahoensis
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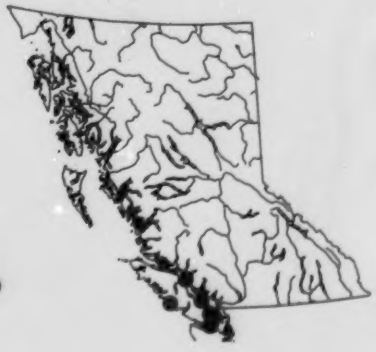

Festuca idahoensis
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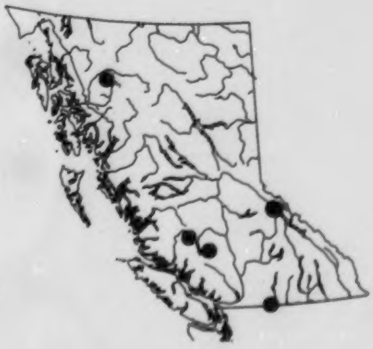
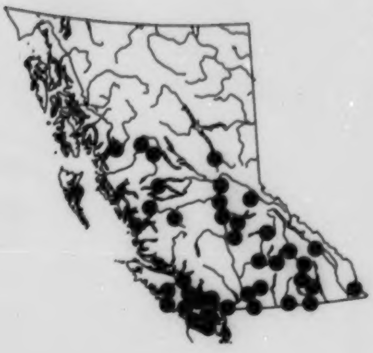
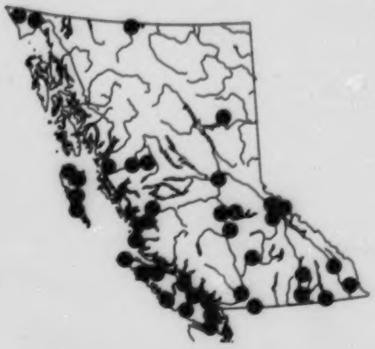


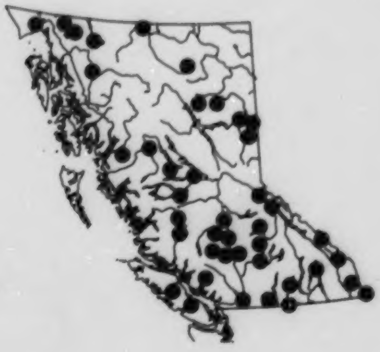
Festuca minutiflora



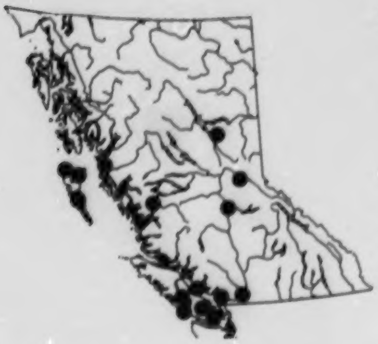
Festuca occidentalis



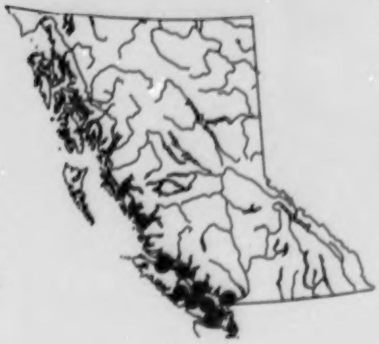
Festuca rubra ssp. *rubra*



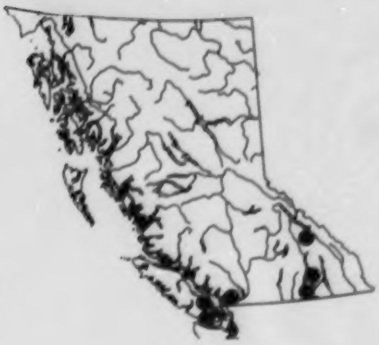
Festuca saximontana



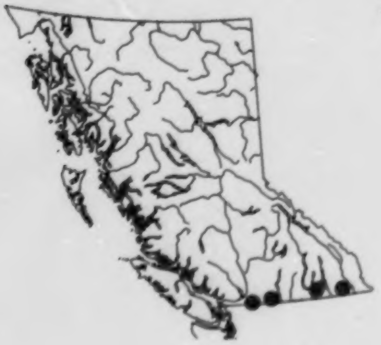
Festuca subulata



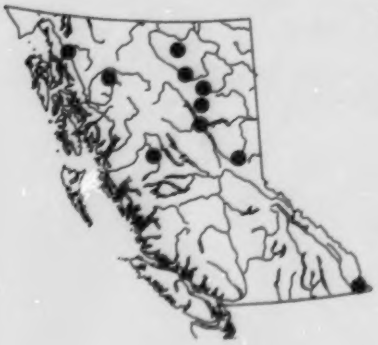
Festuca subuliflora



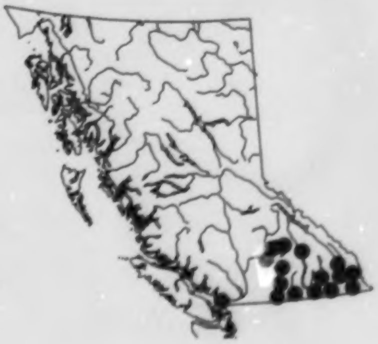
Festuca trachyphylla



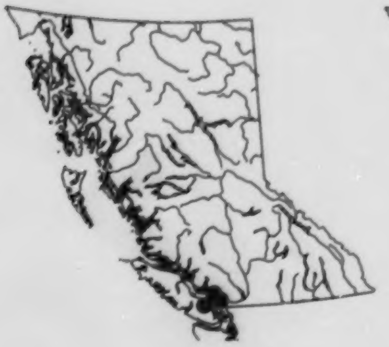
Festuca viridula



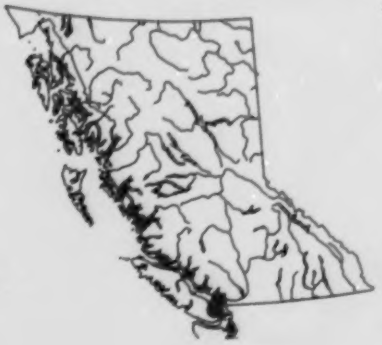
Festuca viviparoidea



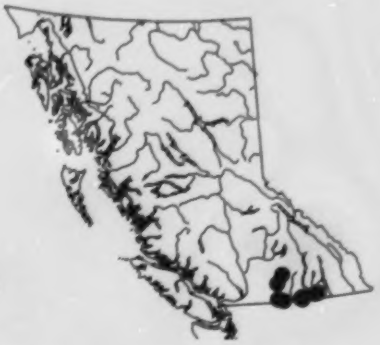
Filago arvensis



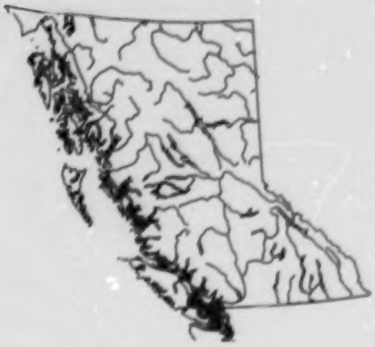
Filago minima



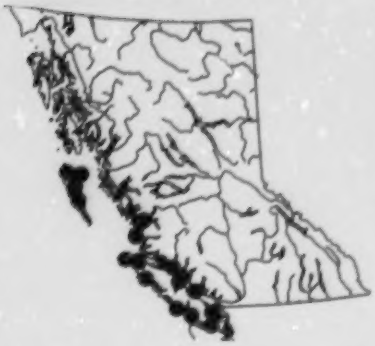
Filago vulgaris



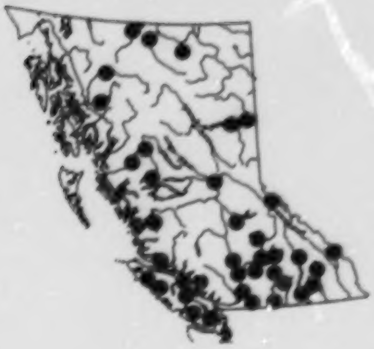
Floerkea proserpinacoides



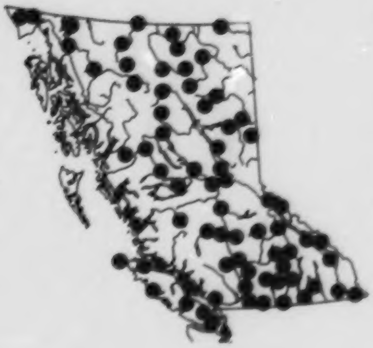
Foeniculum vulgare



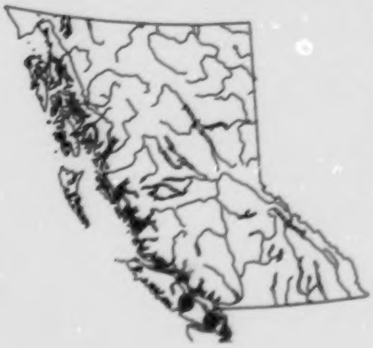
Fragaria chiloensis sensu lato



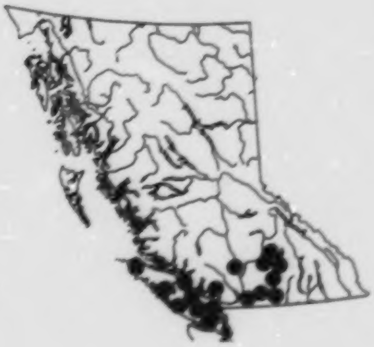
Fragaria vesca sensu lato



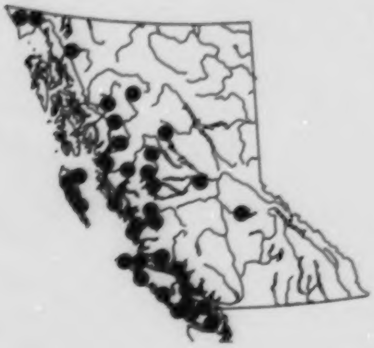
Fragaria virginiana sensu lato



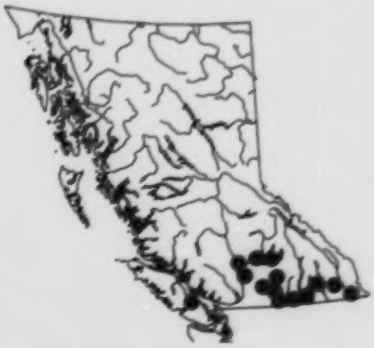
Fraxinus latifolia



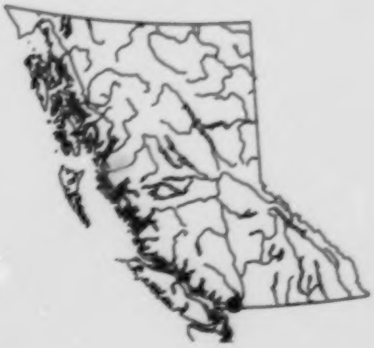
Fritillaria affinis var. affinis



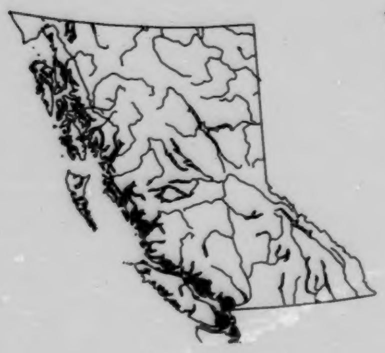
Fritillaria camschatcensis



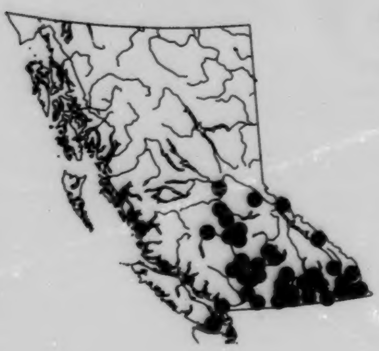
Fritillaria pudica



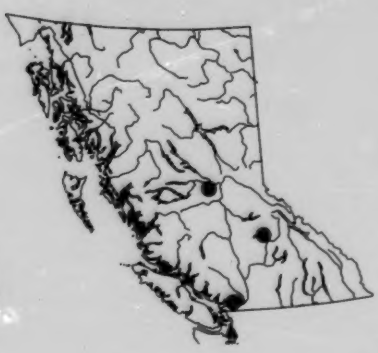
Fumaria bastardii



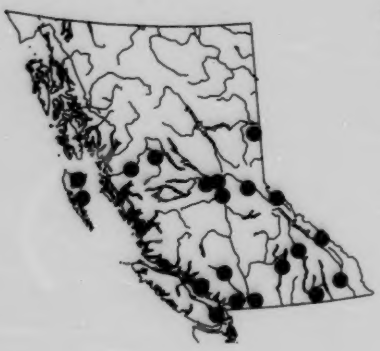
Fumaria officinalis



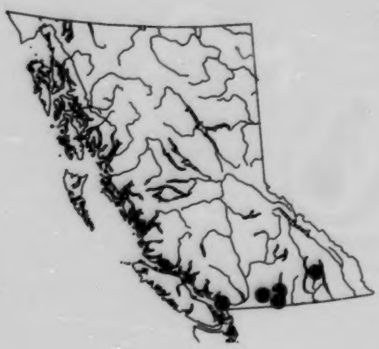
Gaillardia aristata



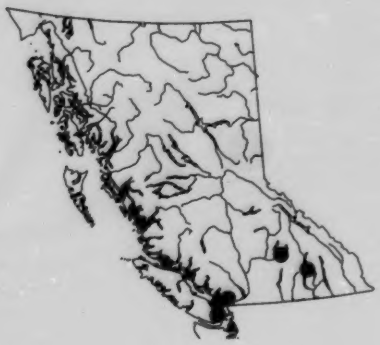
Galeopsis bifida



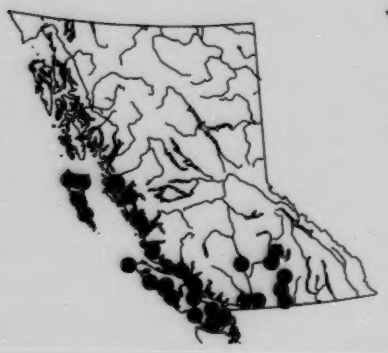
Galeopsis tetrahit



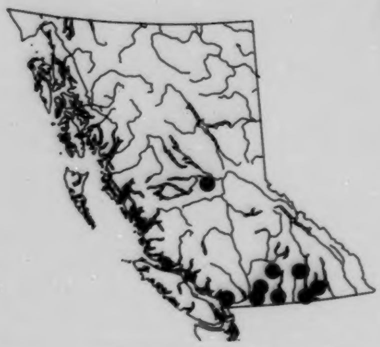
Galinsoga parviflora



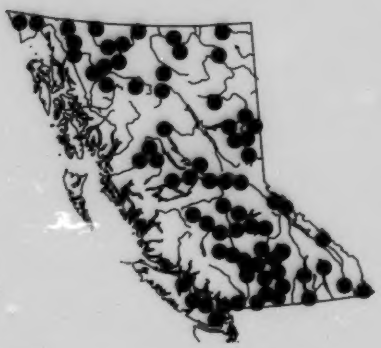
Galinsoga quadriradiata



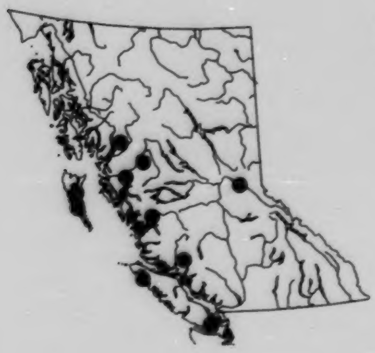
Galium aparine



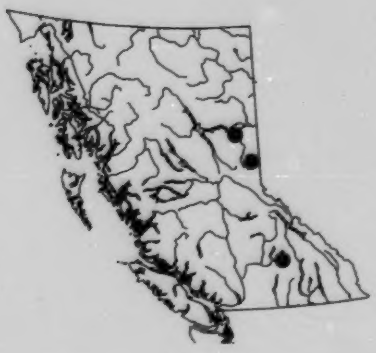
Galium bifolium



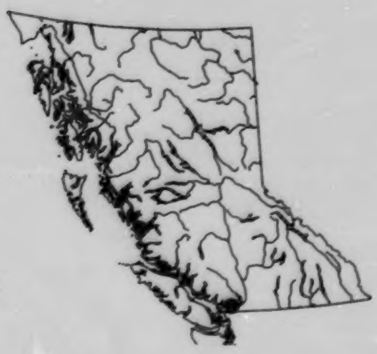
Galium boreale



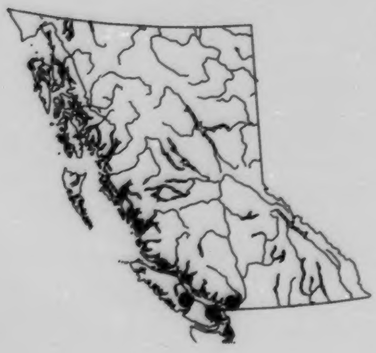
Galium kamtschaticum



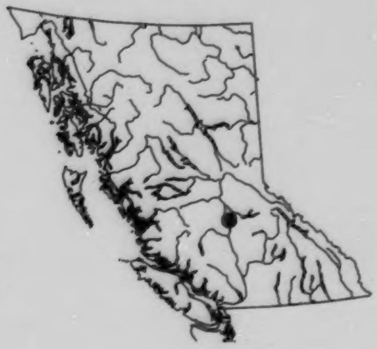
Galium labradoricum



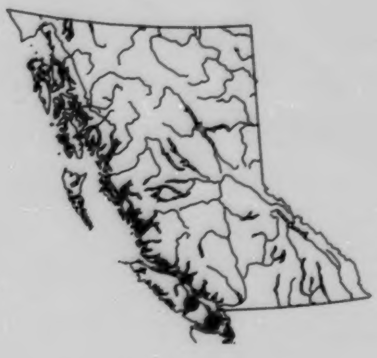
Galium mexicanum
ssp. *asperulum*



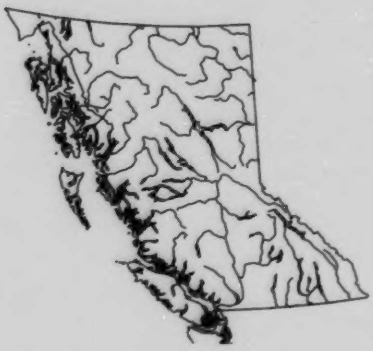
Galium mollugo



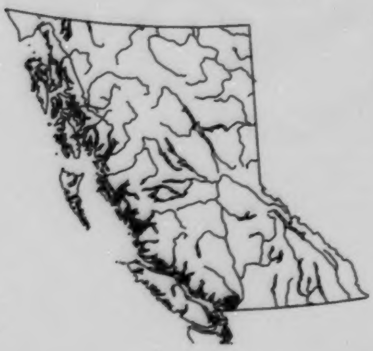
Galium multiflorum



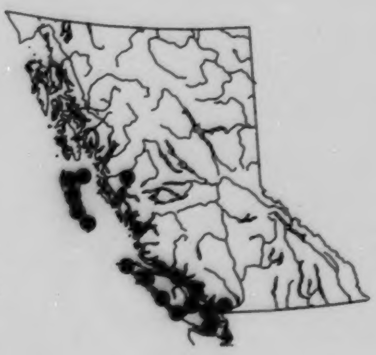
Galium odoratum



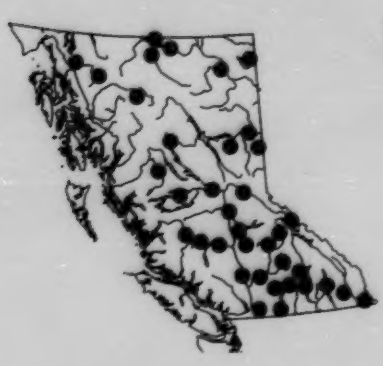
Galium parisiense



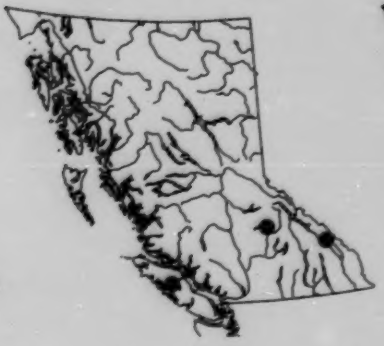
Galium spurium



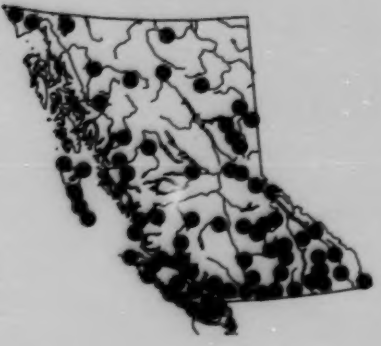
Galium trifidum
ssp. *columbianum*



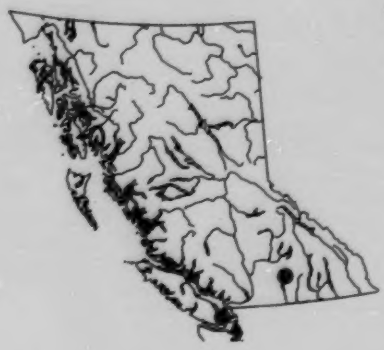
Galium trifidum
ssp. *subbiflorum*



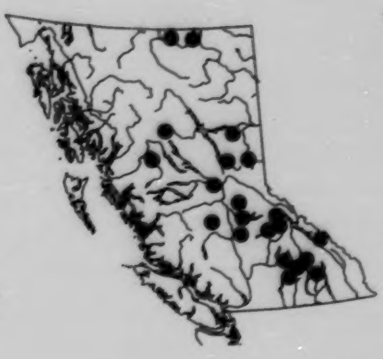
Galium trifidum
ssp. *trifidum*



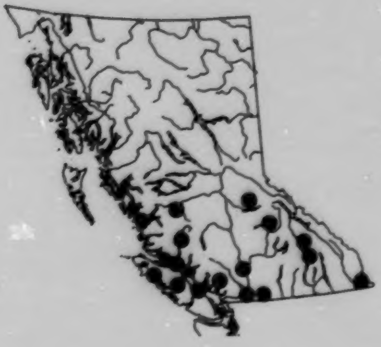
Galium triflorum



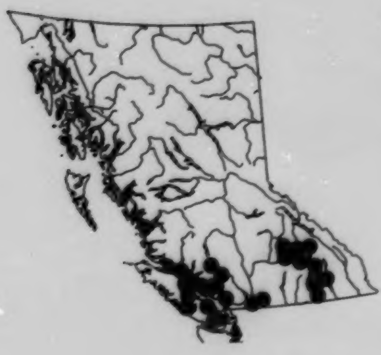
Galium verum



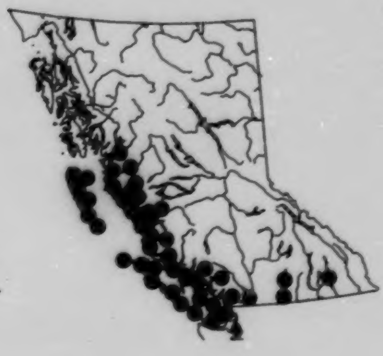
Gaultheria hispidula



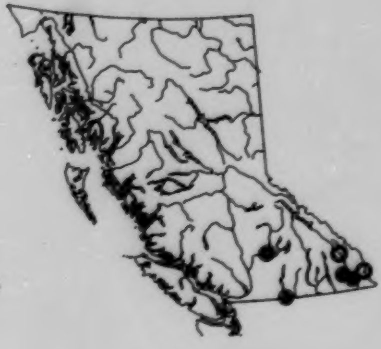
Gaultheria humifusa



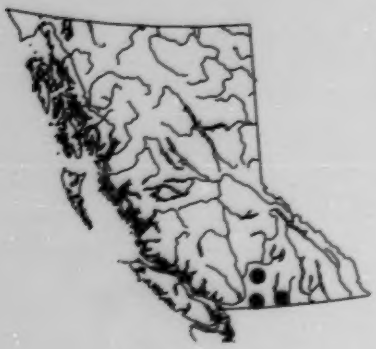
Gaultheria ovatifolia



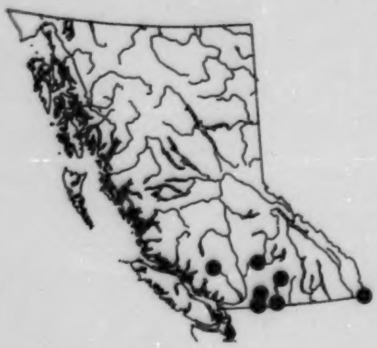
Gaultheria shallon



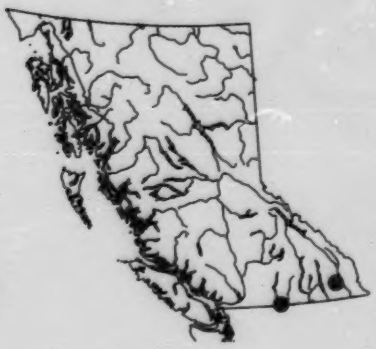
Gaura coccinea



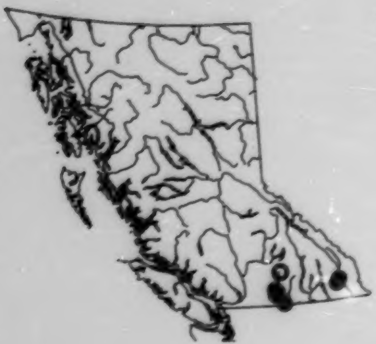
Gayophytum diffusum ssp. *parviflorum*



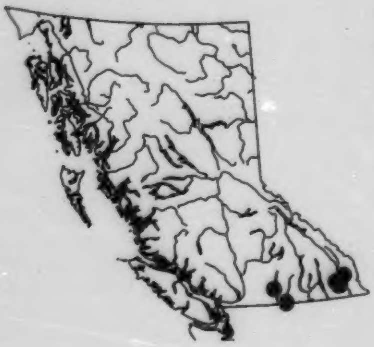
Gayophytum humile



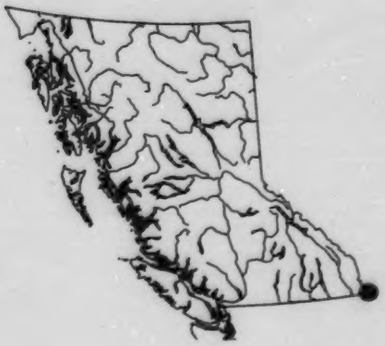
Gayophytum racemosum



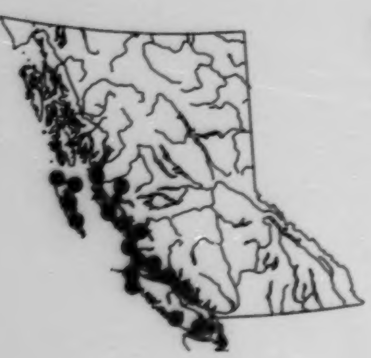
Gayophytum ramosissimum



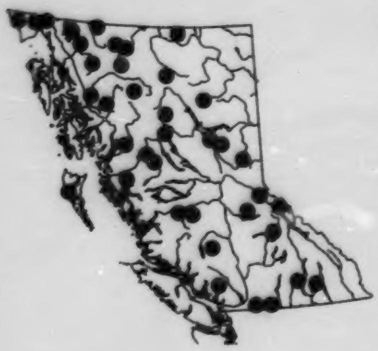
Gentiana affinis



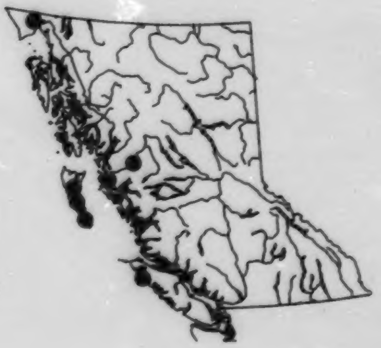
Gentiana calycosa



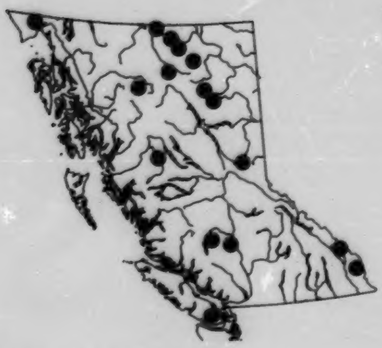
Gentiana douglasiana



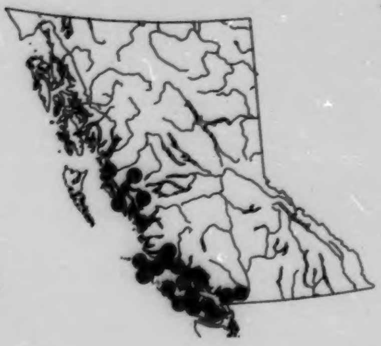
Gentiana glauca



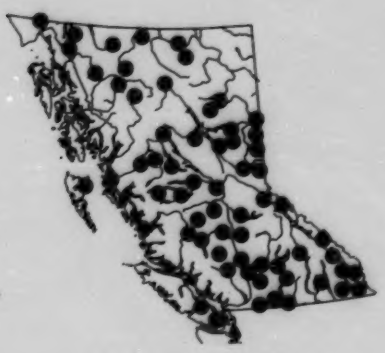
Gentiana platypetala



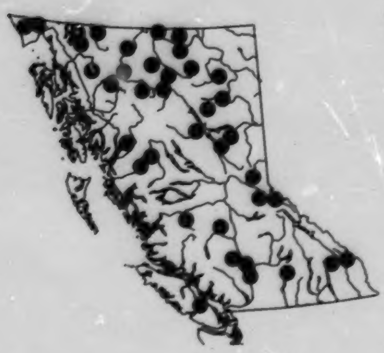
Gentiana prostrata



Gentiana sceptrum



Gentianella amarella
ssp. *acuta*



Gentianella propinqua
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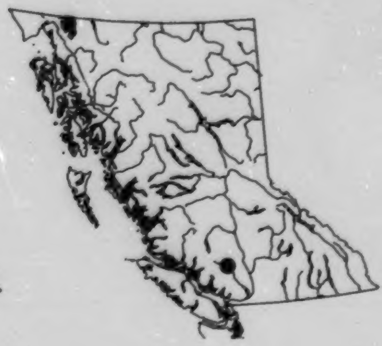

Gentianella tenella
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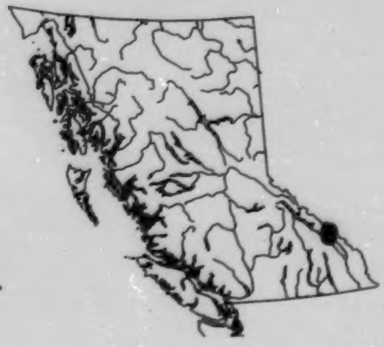
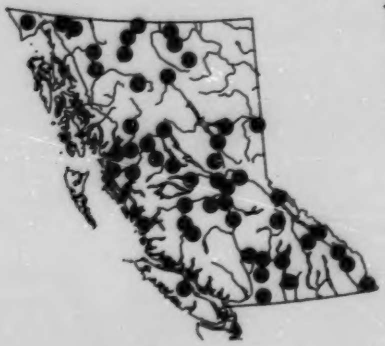
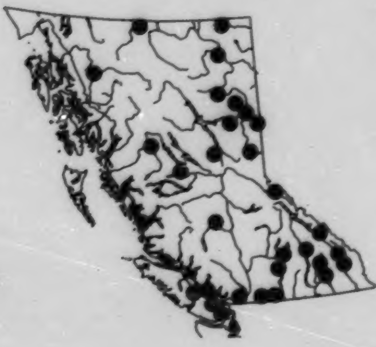


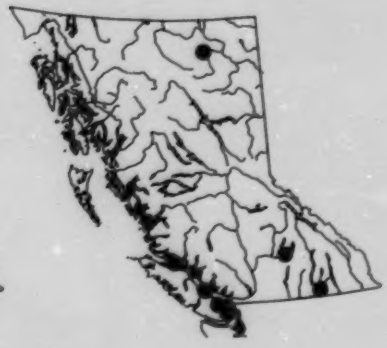
Gentianopsis macounii



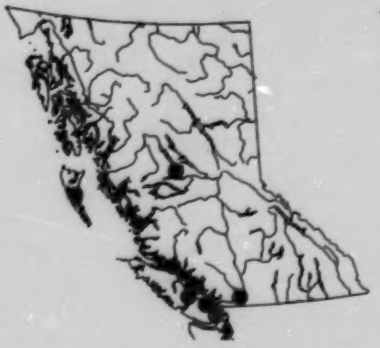
Geocaulon lividum



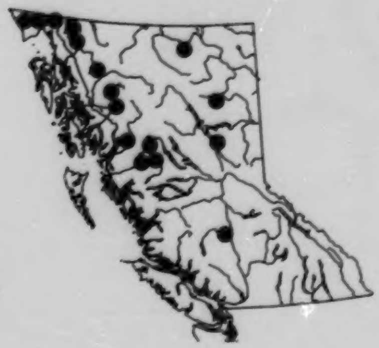
Geranium bicknellii



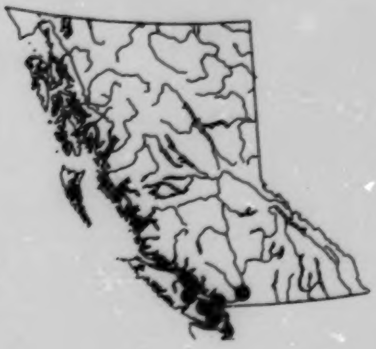
Geranium carolinianum



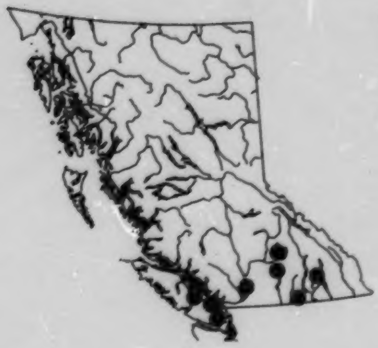
Geranium dissectum



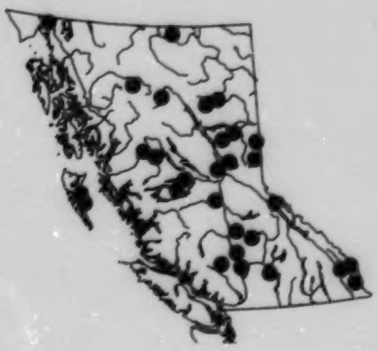
Geranium erianthum



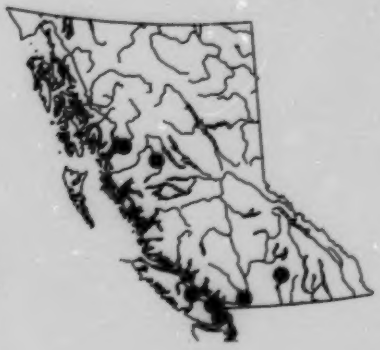
Geranium molle



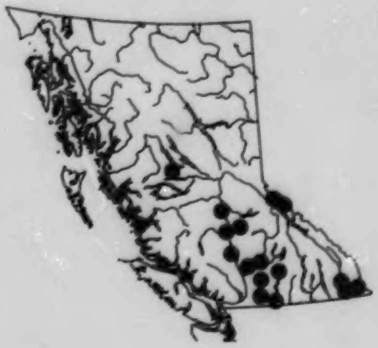
Geranium pusillum



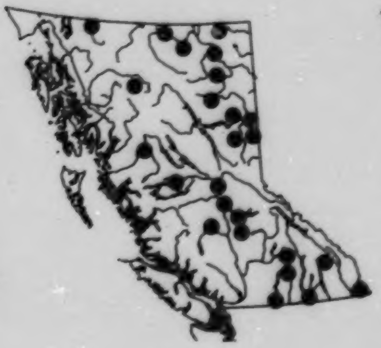
Geranium richardsonii



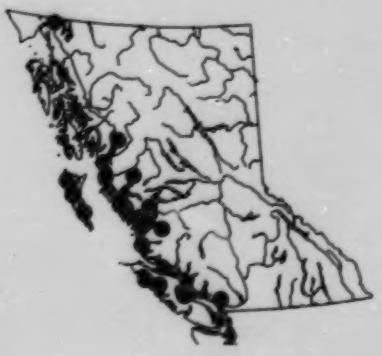
Geranium robertianum



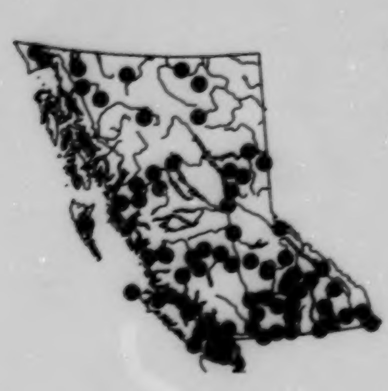
Geranium viscosissimum
var. *viscosissimum*



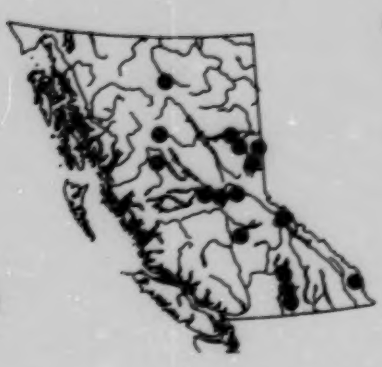
Geum aleppicum



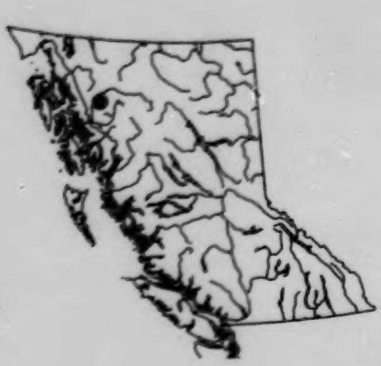
Geum calthifolium



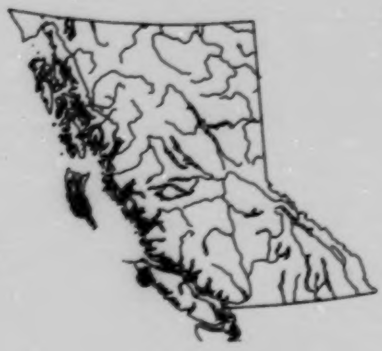
Geum macrophyllum sensu lato



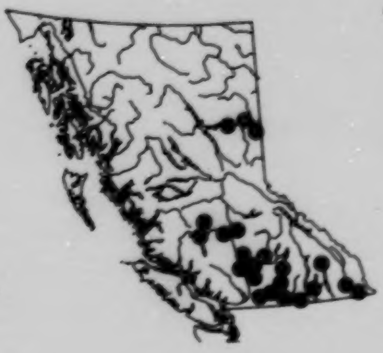
Geum rivale



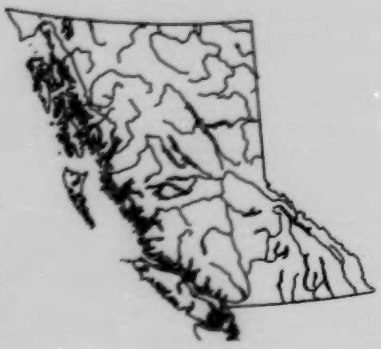
Geum rossii var. rossii



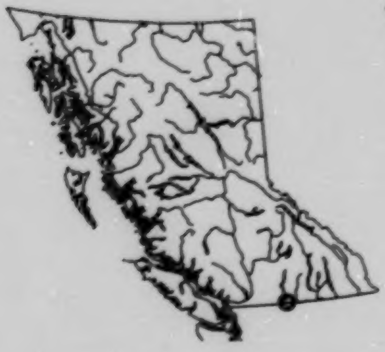
Geum schofieldii



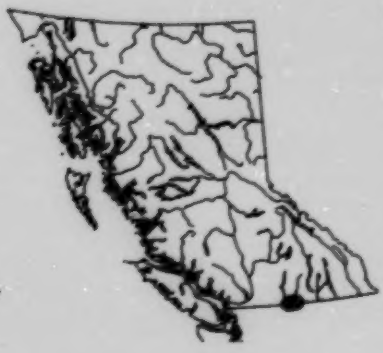
Geum triflorum sensu lato



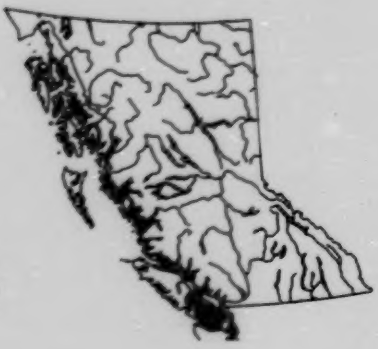
Gilia capitata var. capitata



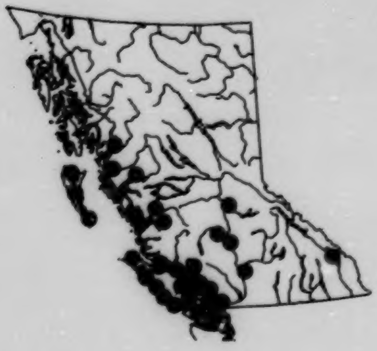
Gilia sinuata



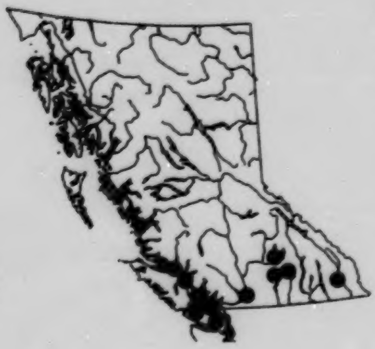
Gilia tenerrima



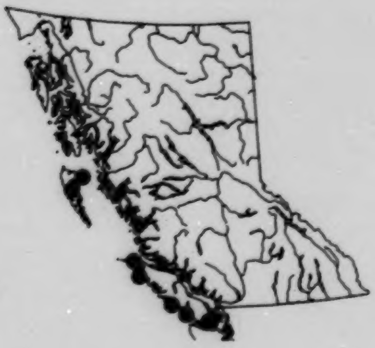
Githopsis specularioides



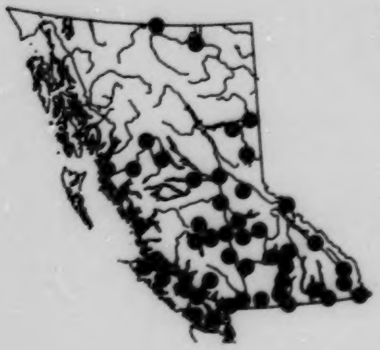
Glaux maritima sensu lato



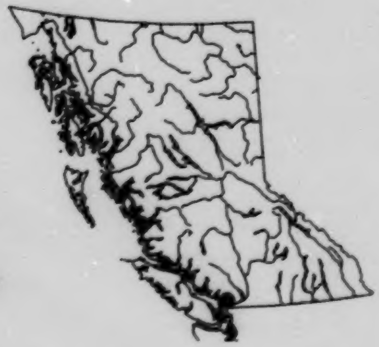
Glechoma hederacea



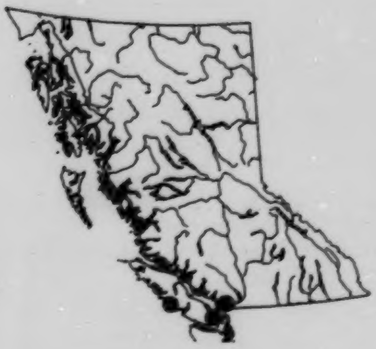
Glehnia littoralis
ssp. leiocarpa



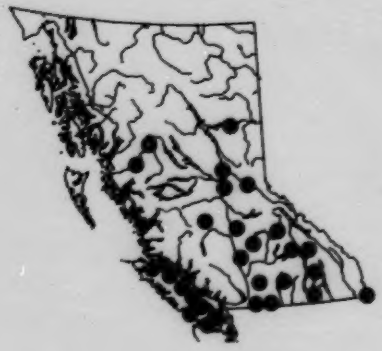
Glyceria borealis



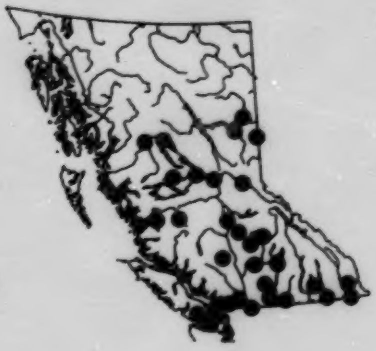
Glyceria canadensis



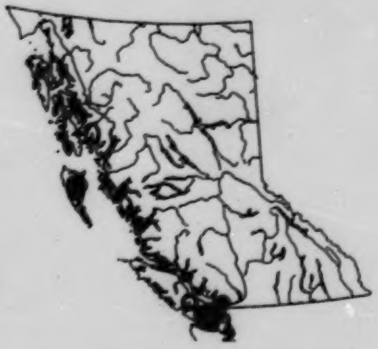
Glyceria declinata



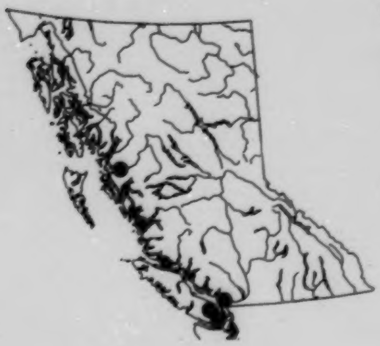
Glyceria elata



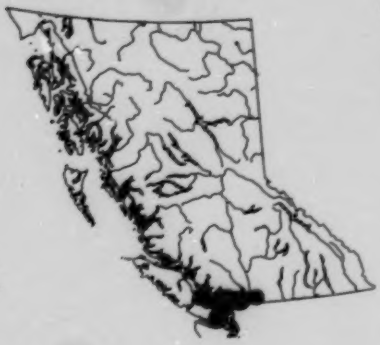
Glyceria grandis



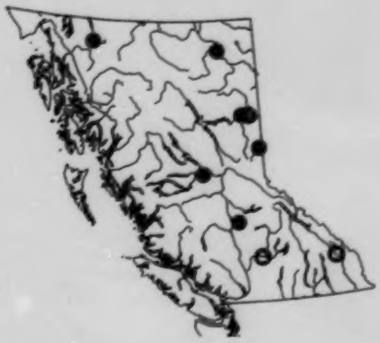
Glyceria leptostachya



Glyceria maxima



Glyceria occidentalis



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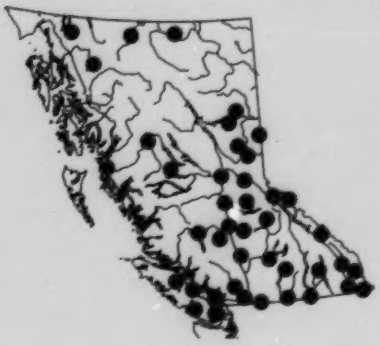

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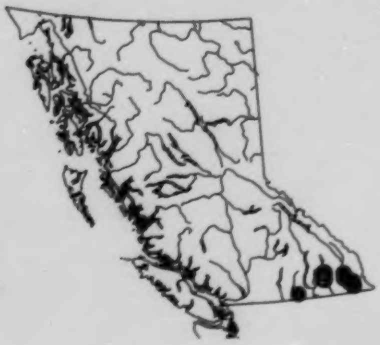

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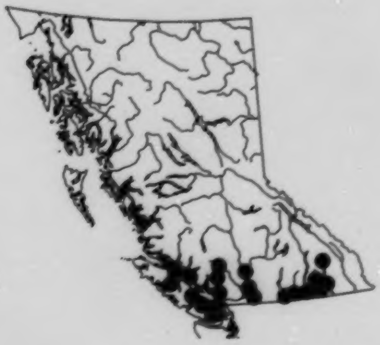
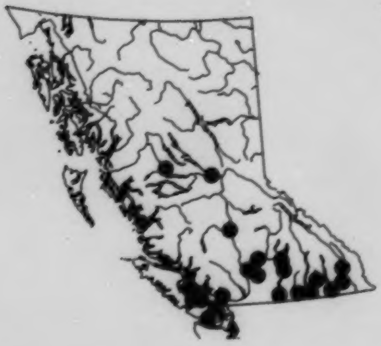
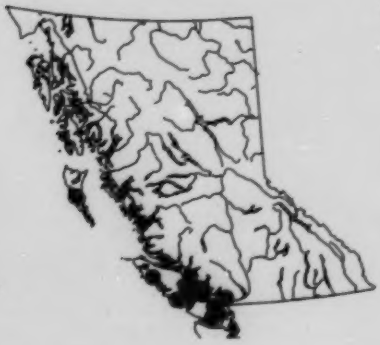


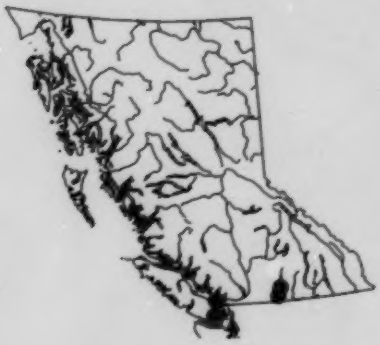
Gnaphalium microcephalum



Gnaphalium palustre



Gnaphalium purpureum
var. *purpureum*



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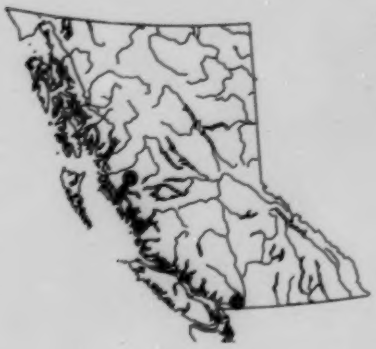
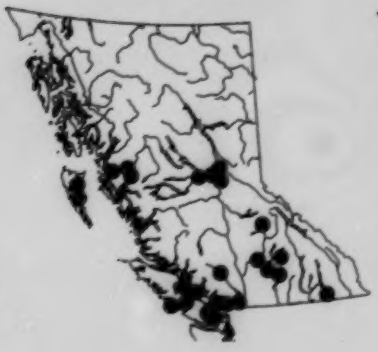
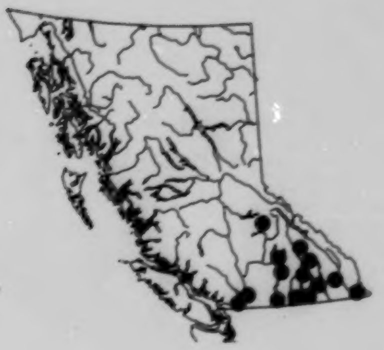


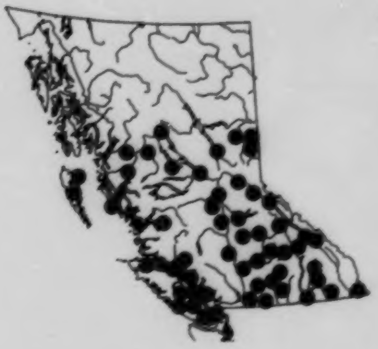
Gnaphalium sylvaticum



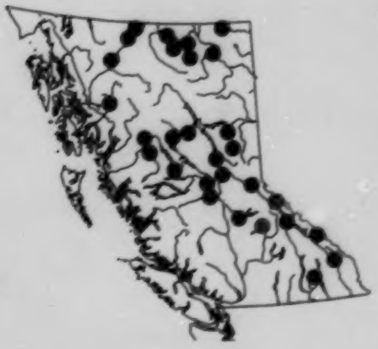
Gnaphalium uliginosum



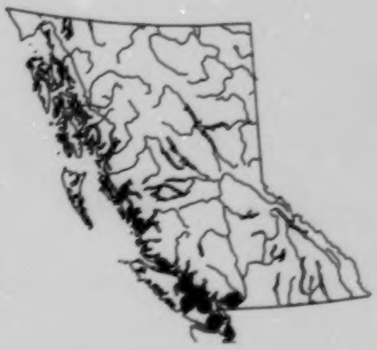
Gnaphalium viscosum



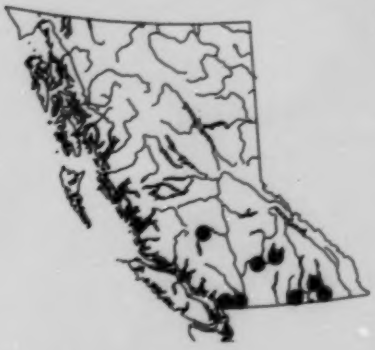
Goodyera oblongifolia



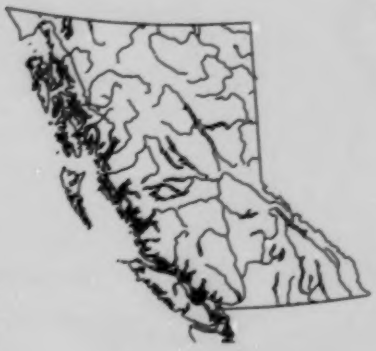
Goodyera repens



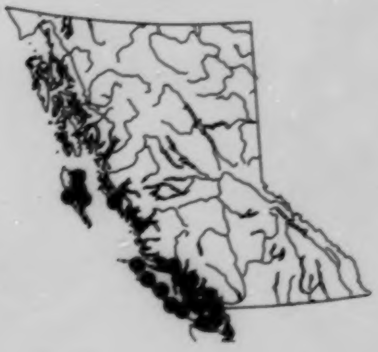
Gratiola ebracteata



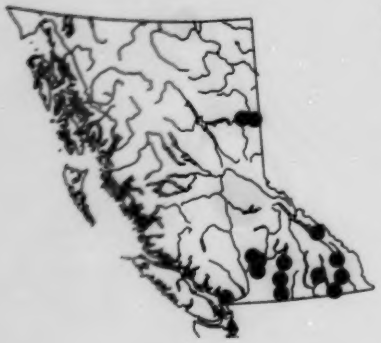
Gratiola neglecta



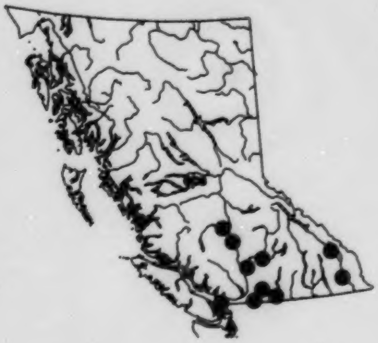
Grindelia hirsutula
var. *hirsutula*



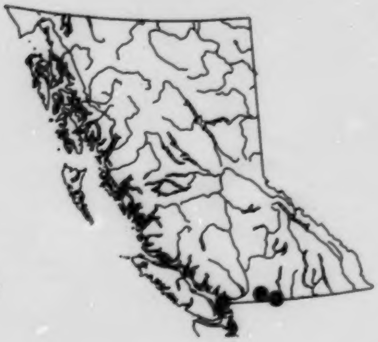
Grindelia integrifolia



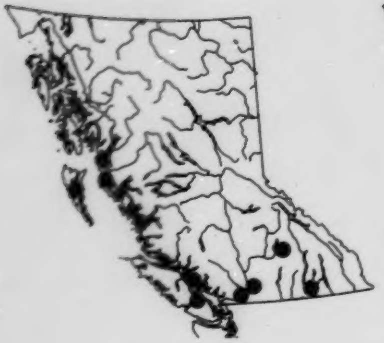
Grindelia squarrosa
var. *quasiperennis*



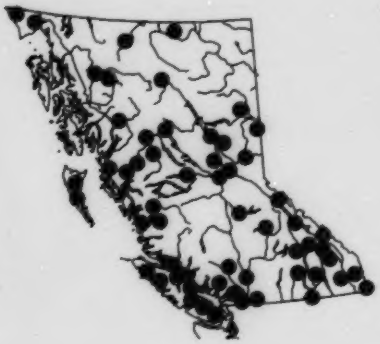
Grindelia squarrosa
var. *serrulata*



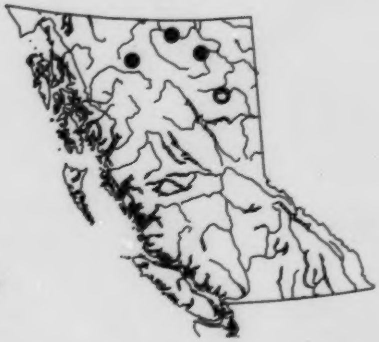
Grindelia squarrosa
var. *squarrosa*



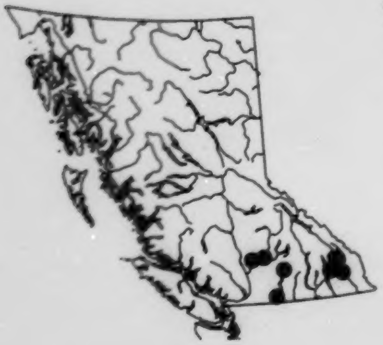
Gymnocarpium disjunctum



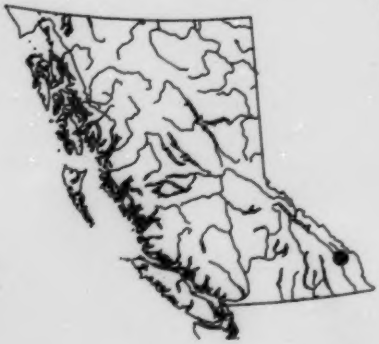
Gymnocarpium dryopteris



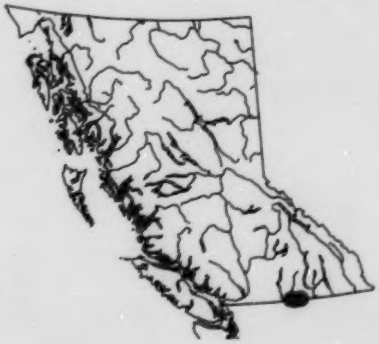
Gymnocarpium jessoense
ssp. *parvulum*



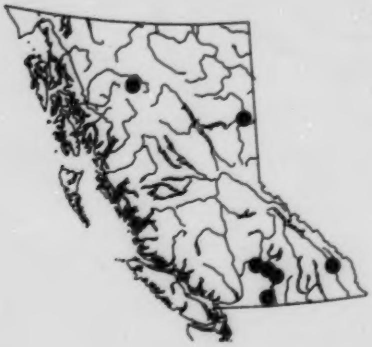
Gypsophila paniculata



Gypsophila scorzonerifolia



Hackelia ciliata



Hackelia deflexa
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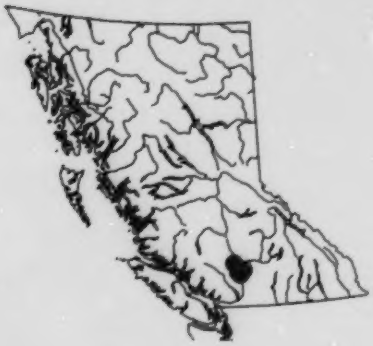
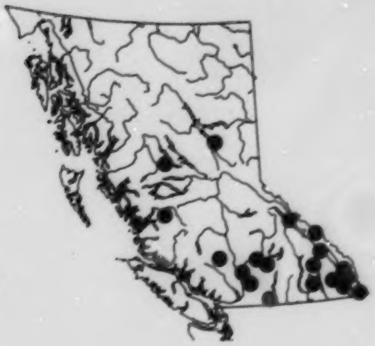
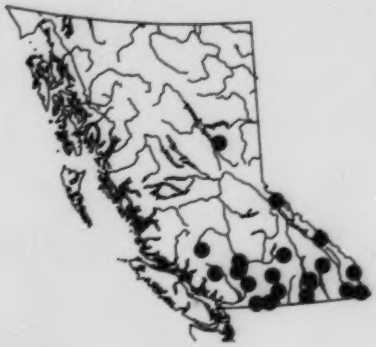


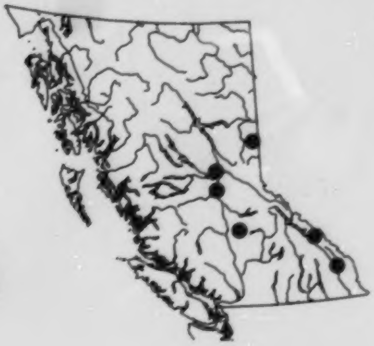
Hackelia diffusa



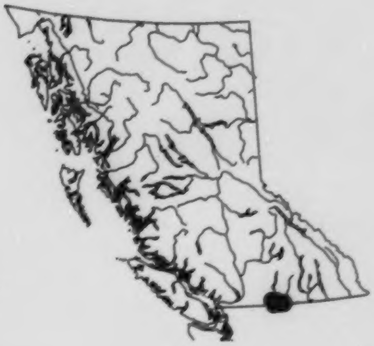
Hackelia floribunda



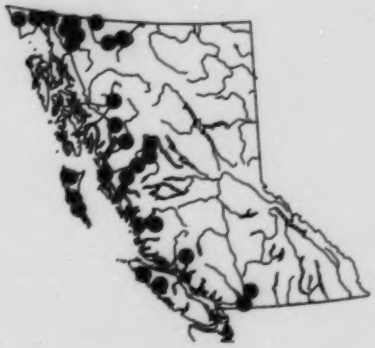
Hackelia micrantha



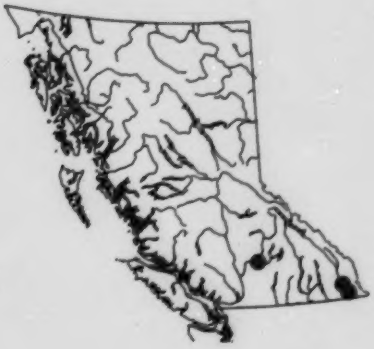
Halenia deflexa
ssp. *deflexa*



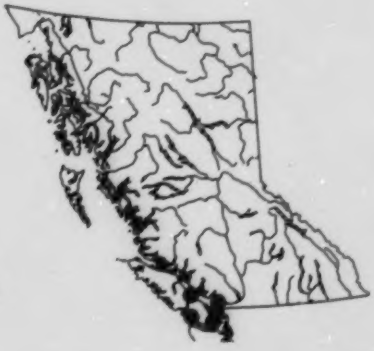
Halimolobos whitedii



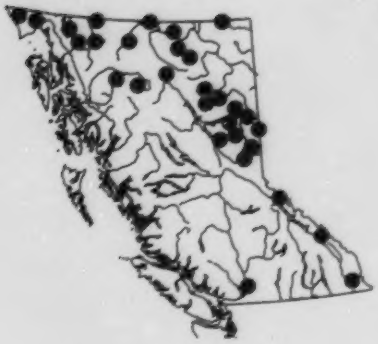
Harrimanella stelleriana



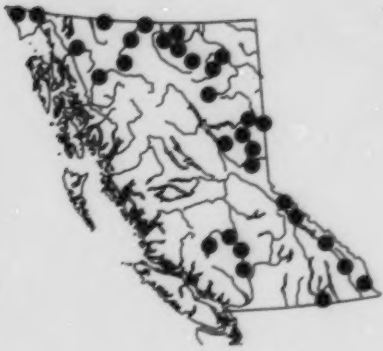
Hedeoma hispida



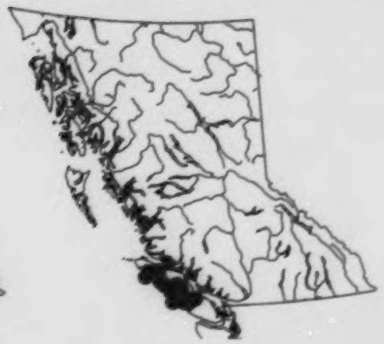
Hedera helix



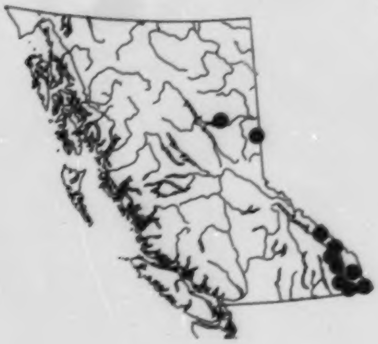
Hedysarum alpinum



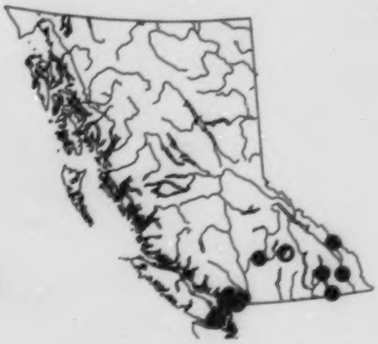
Hedysarum boreale sensu lato



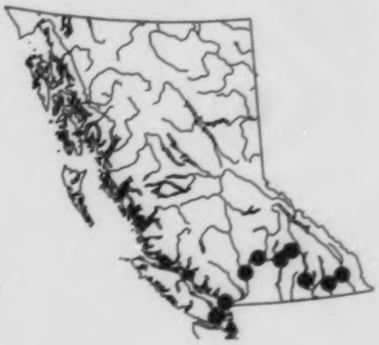
Hedysarum occidentale



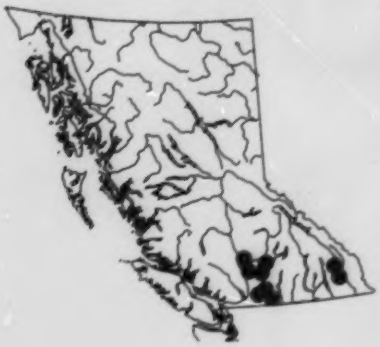
Hedysarum sulphurescens



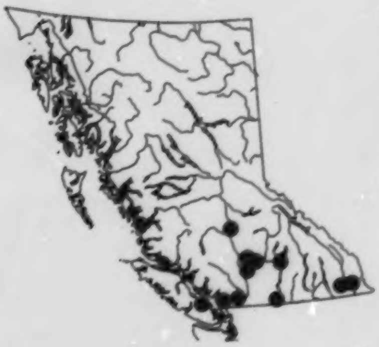
Helenium autumnale var. *grandiflorum*



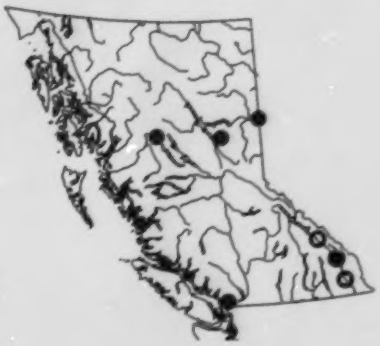
Helenium autumnale var. *montanum*



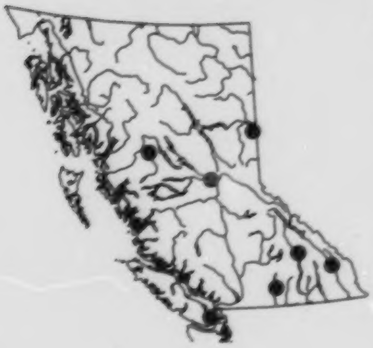
Helianthella uniflora var. *douglasii*



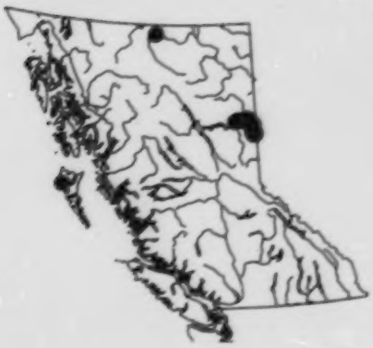
Helianthus annuus



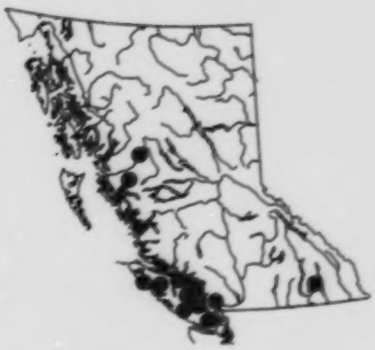
Helianthus nuttallii var. *nuttallii*



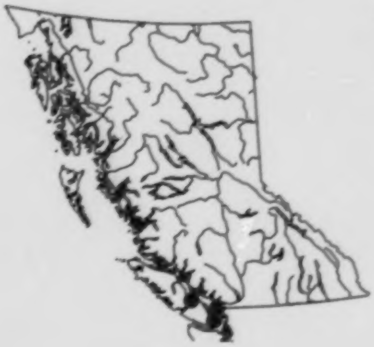
Helianthus rigidus
var. subrhomboideus



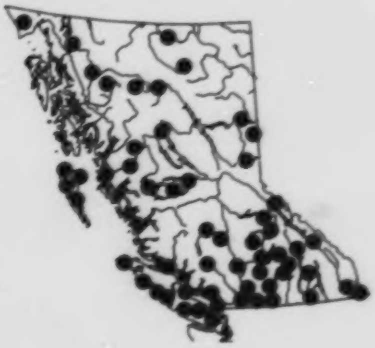
Helictotrichon hookeri



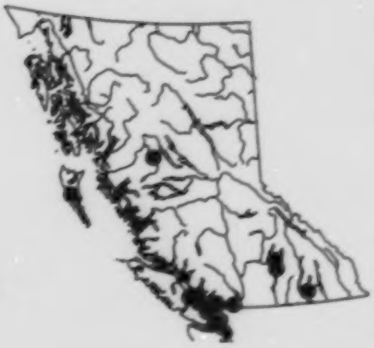
Hemitomes congestum



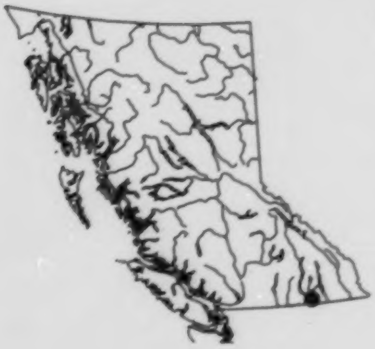
Heracleum mantegazzianum



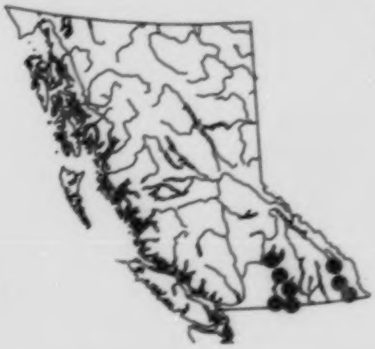
Heracleum maximum



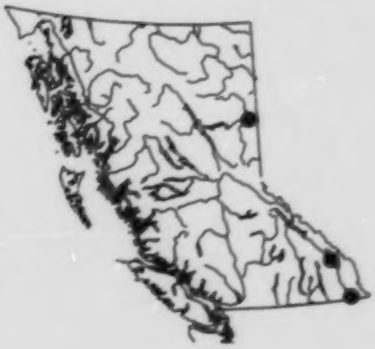
Hesperis matronalis



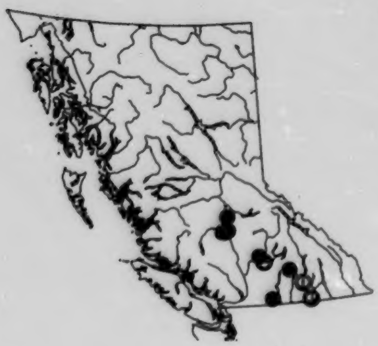
Hesperochiron pumilus



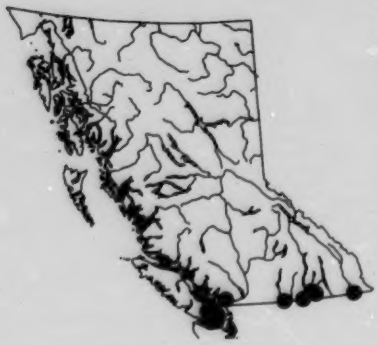
Hesperostipa comata
sensu lato



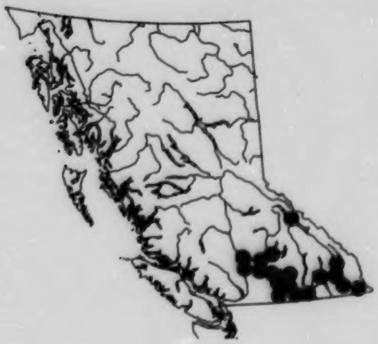
Hesperostipa curtiseta



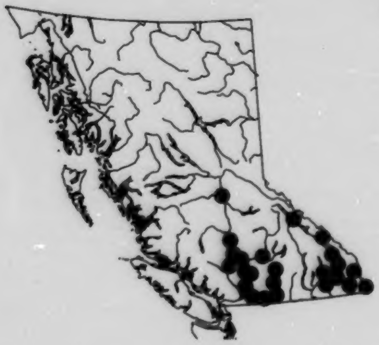
Hesperostipa spartea



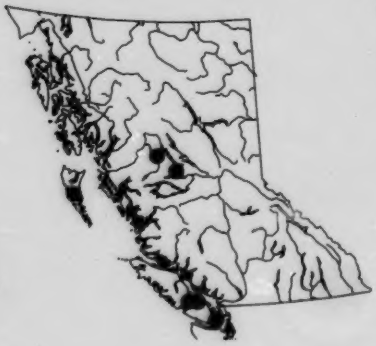
Heterocodon rariflorum



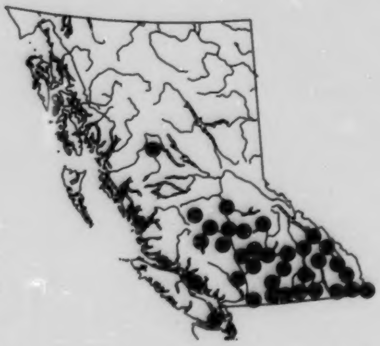
Heterotheca villosa var. *hispida*



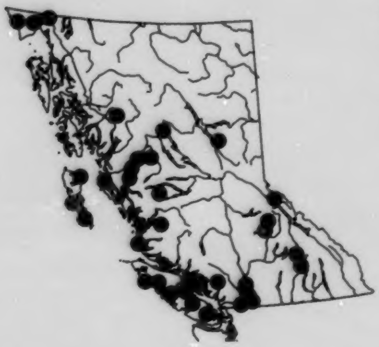
Heterotheca villosa var. *villosa*



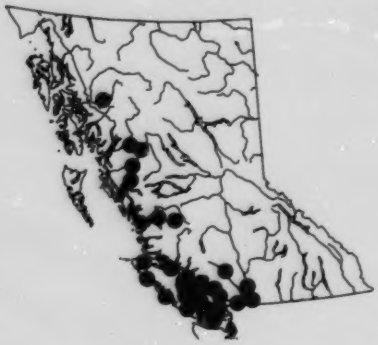
Heuchera chlorantha



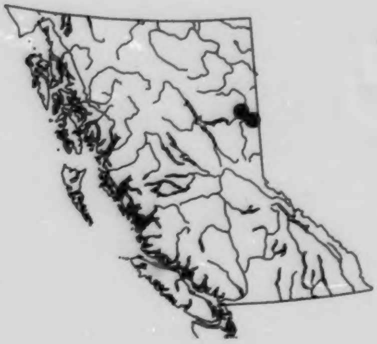
Heuchera cylindrica sensu lato



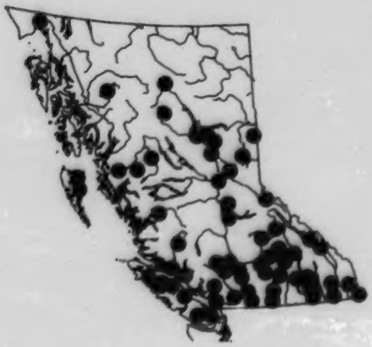
Heuchera glabra



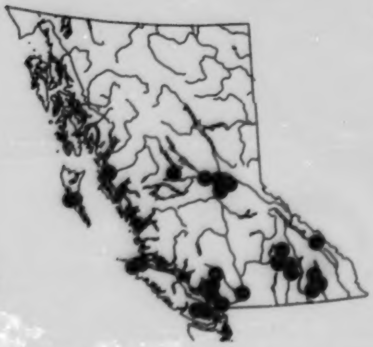
Heuchera micrantha var. *diversifolia*



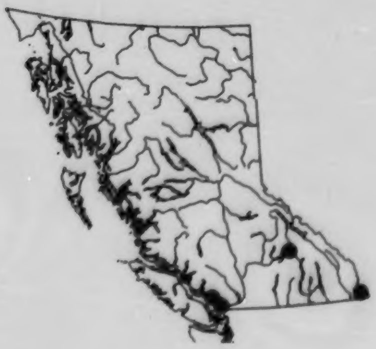
Heuchera richardsonii



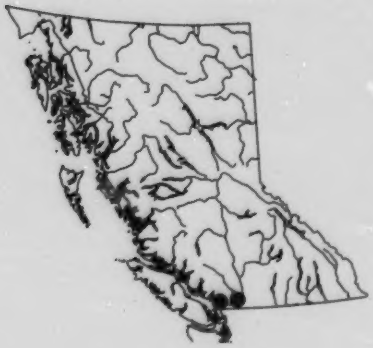
Hieracium albiflorum



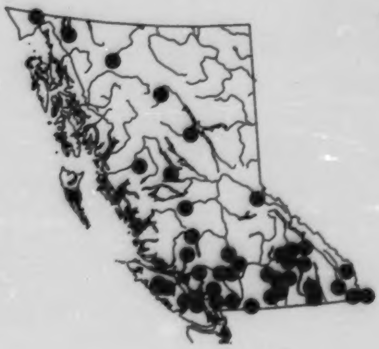
Hieracium aurantiacum



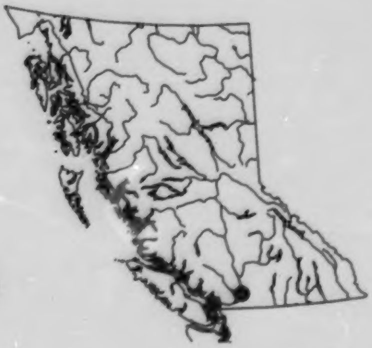
Hieracium caespitosum



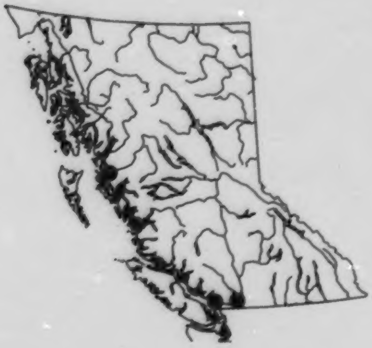
Hieracium flagellare
ssp. *flagellare*



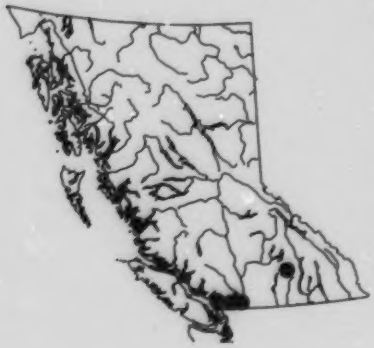
Hieracium gracile



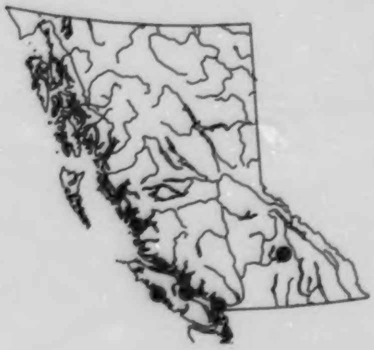
Hieracium lachenalii



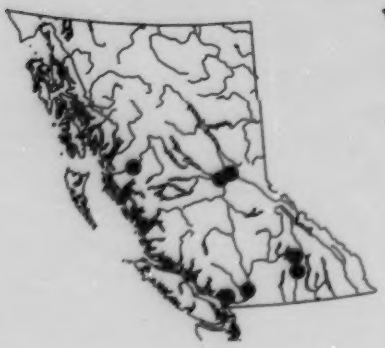
Hieracium maculatum



Hieracium murorum



Hieracium pilosella



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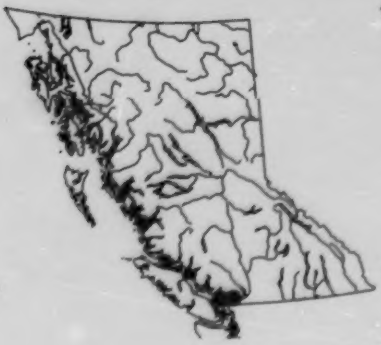
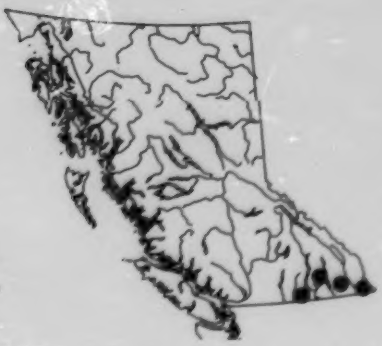
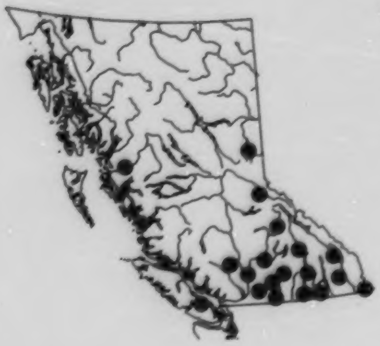


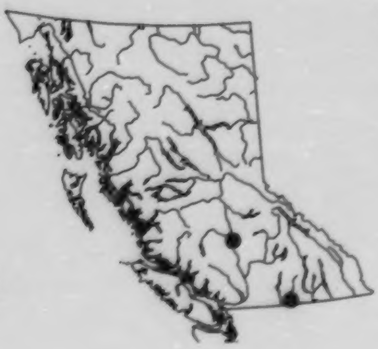
Hieracium sabaudum



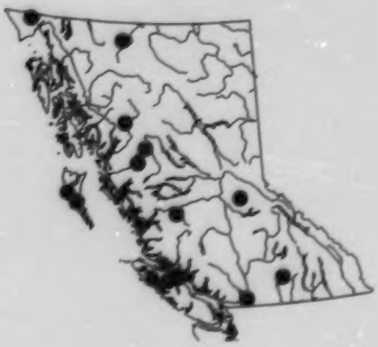
Hieracium scouleri
var. *albertinum*



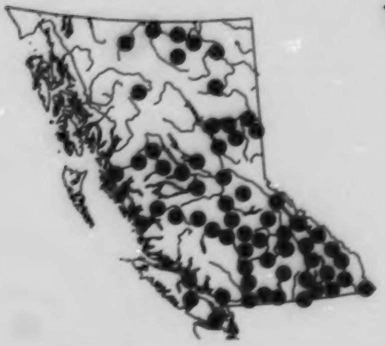
Hieracium scouleri
var. *griseum*



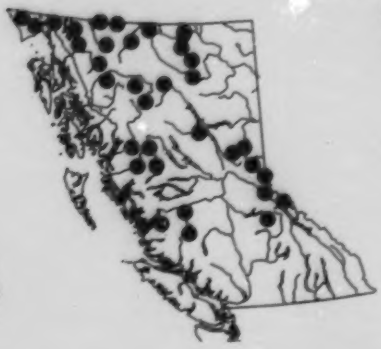
Hieracium scouleri
var. *scouleri*



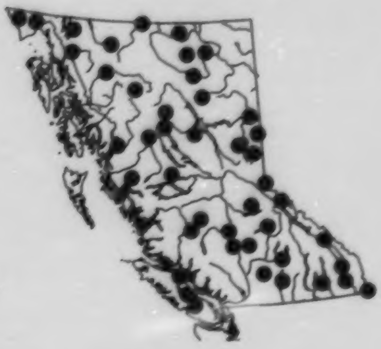
Hieracium triste



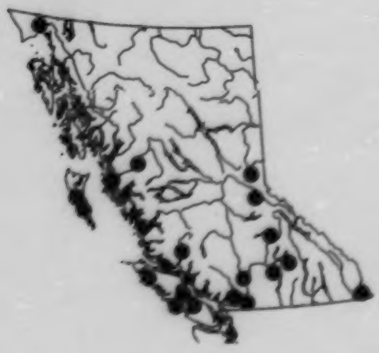
Hieracium umbellatum
ssp. *umbellatum*



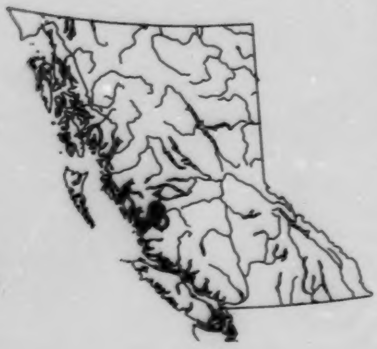
Hierochloe alpina



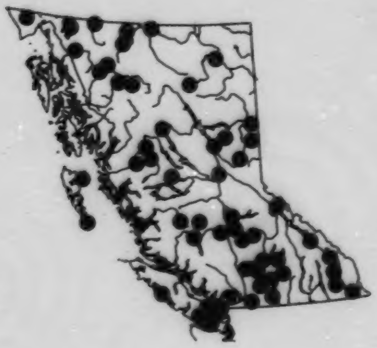
Hierochloe hirta
ssp. *arctica*



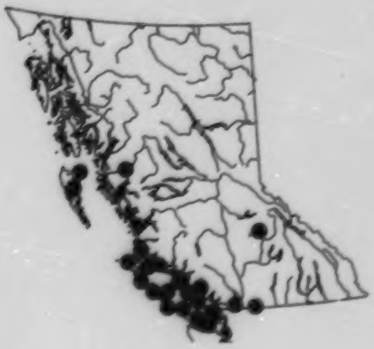
Hippuris montana



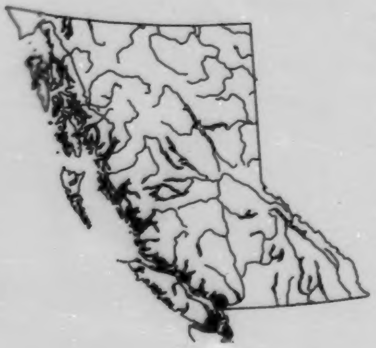
Hippuris tetraphylla



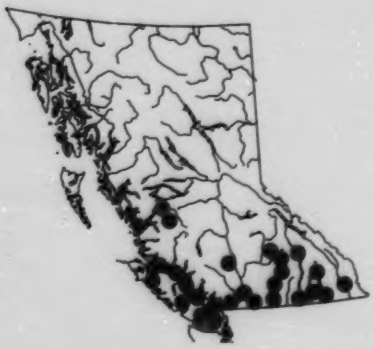
Hippuris vulgaris



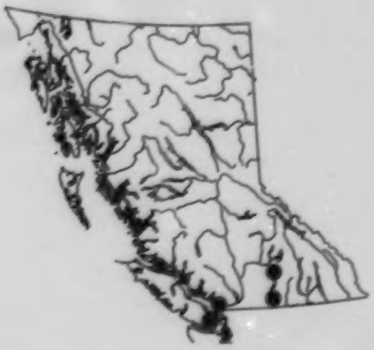
Holcus lanatus



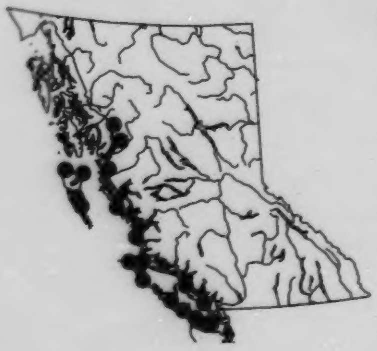
Holcus mollis



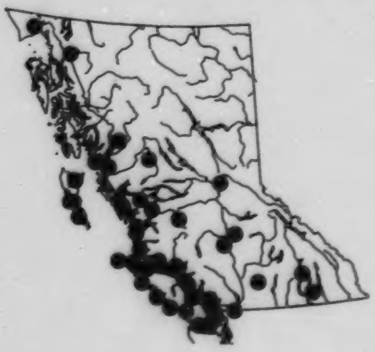
Holodiscus discolor



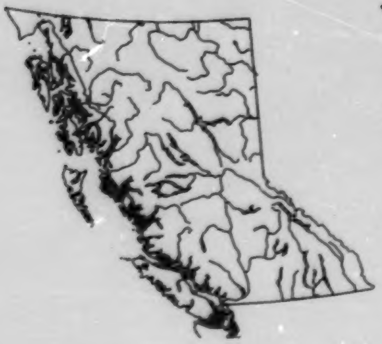
Holosteum umbellatum



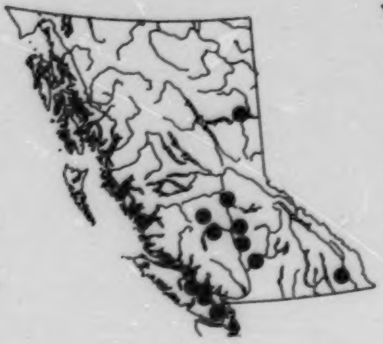
Honckenya peploides ssp. *major*



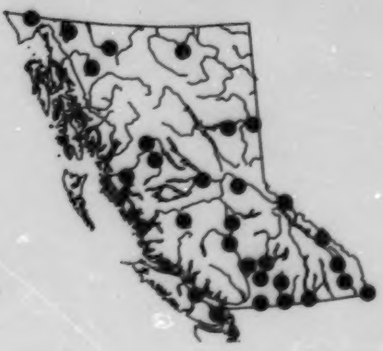
Hordeum brachyantherum ssp. *brachyantherum*



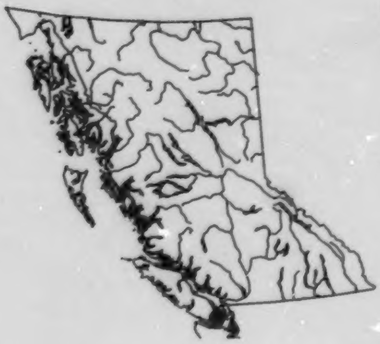
Hordeum depressum



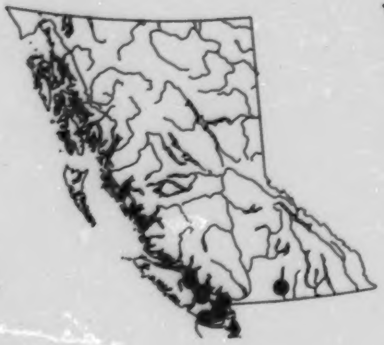
Hordeum jubatum
ssp. *intermedium*



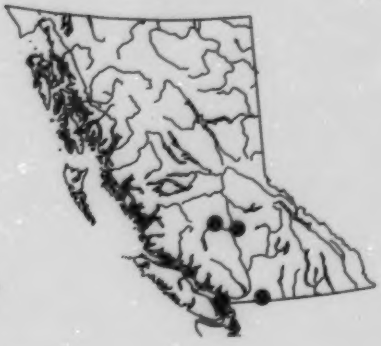
Hordeum jubatum
ssp. *jubatum*



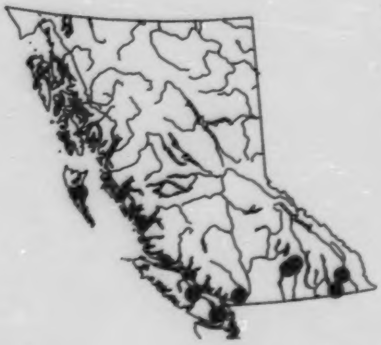
Hordeum marinum
ssp. *gussonianum*



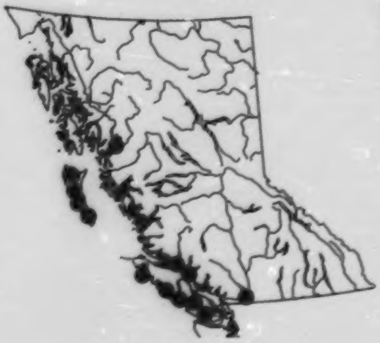
Hordeum murinum
sensu lato



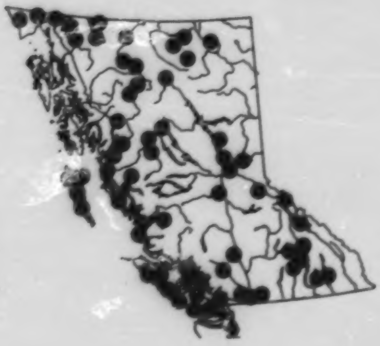
Hordeum vulgare



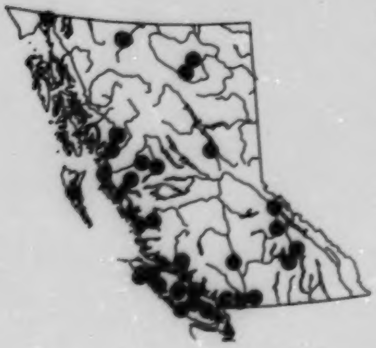
Humulus lupulus



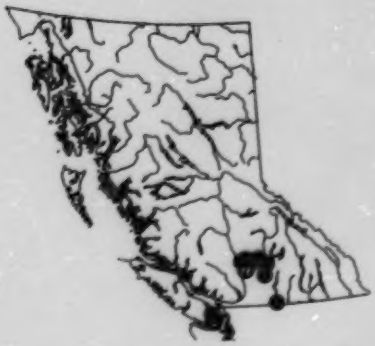
Huperzia chinensis



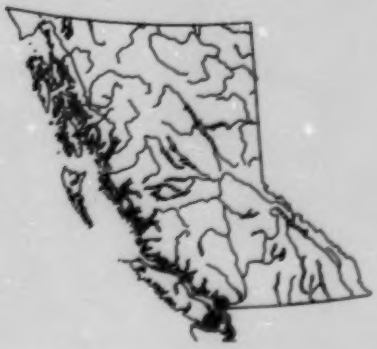
Huperzia haleakalae



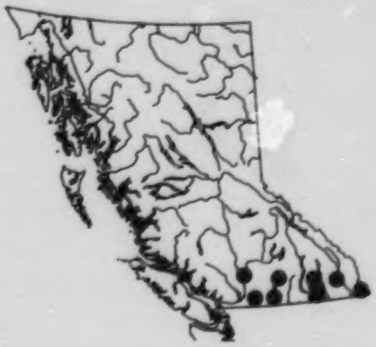
Huperzia occidentalis



Hutchinsia procumbens



Hyacinthoides hispanica



Hydrophyllum capitatum
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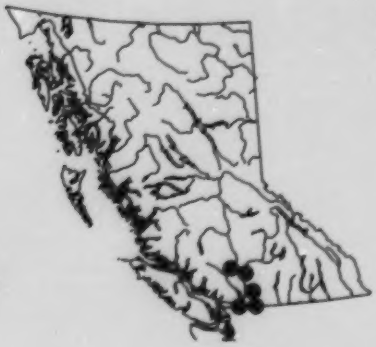

Hydrophyllum fendleri
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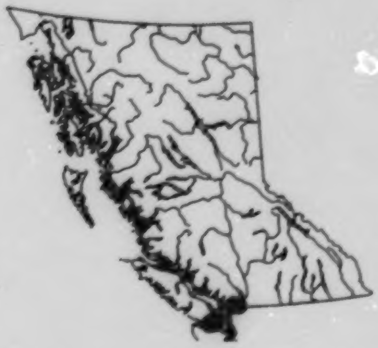
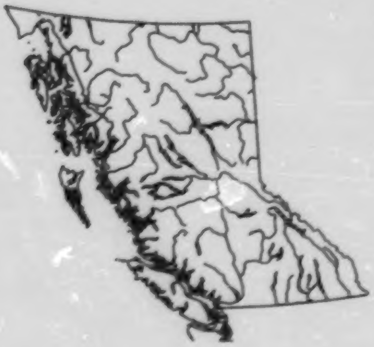
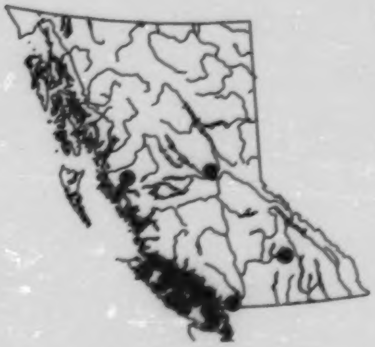


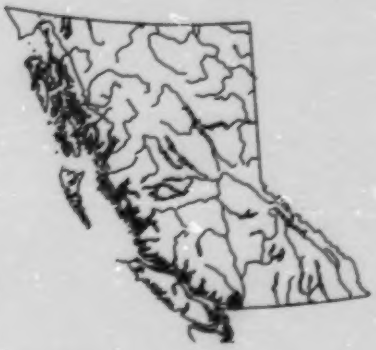
Hydrophyllum tenuipes



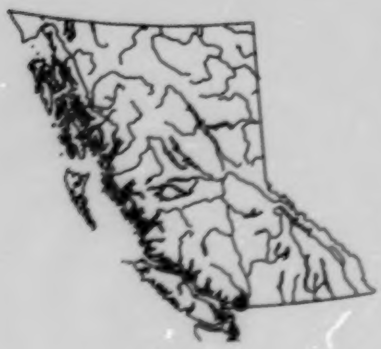
Hymenophyllum wrightii



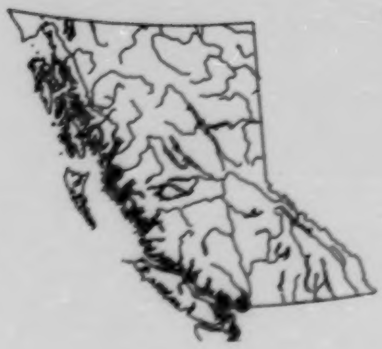
Hypericum anagalloides



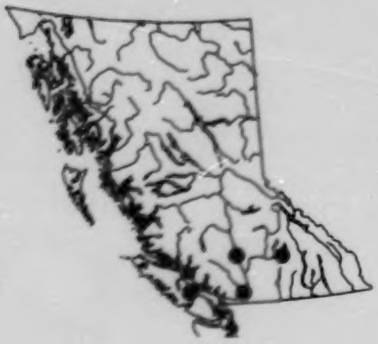
Hypericum androsaemum



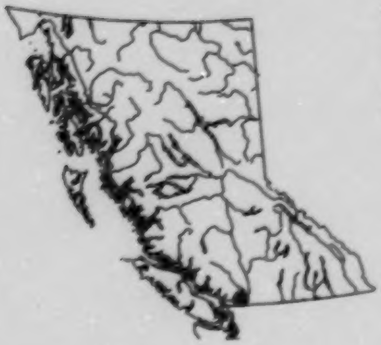
Hypericum boreale



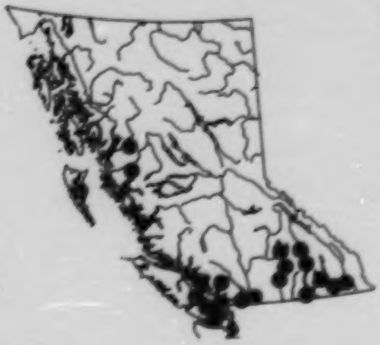
Hypericum maculatum
ssp. *obtusiusculum*



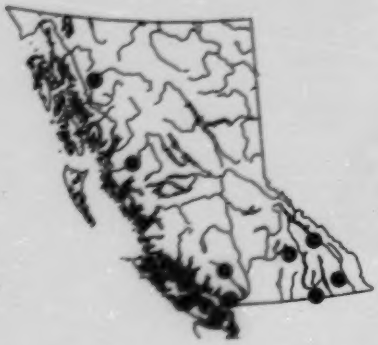
Hypericum majus



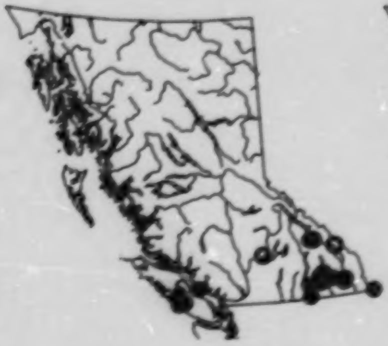
Hypericum mutilum



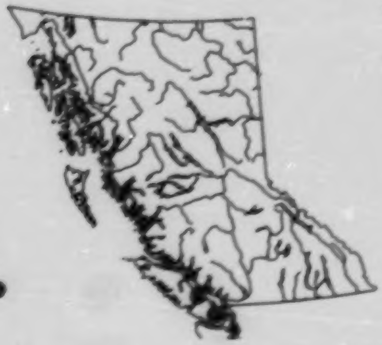
Hypericum perforatum



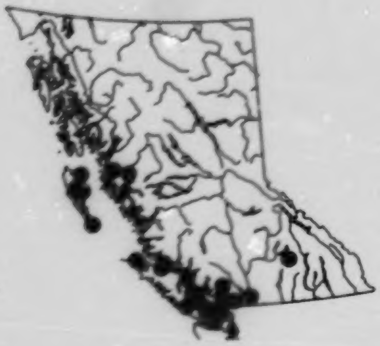
Hypericum scouleri
sensu lato



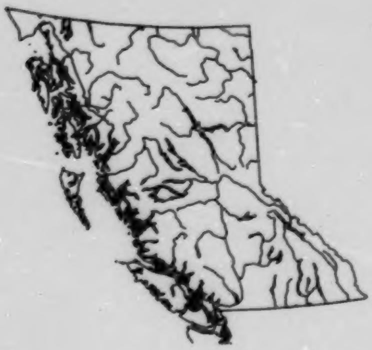
Hypericum scouleri
ssp. *nortoniae*



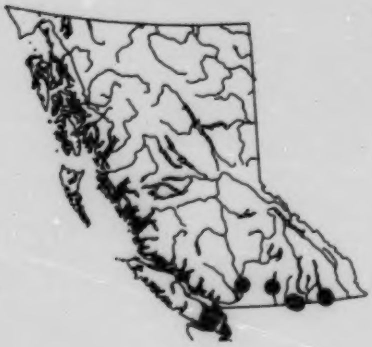
Hypochaeris glabra



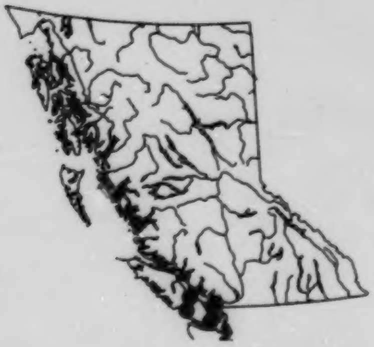
Hypochaeris radicata



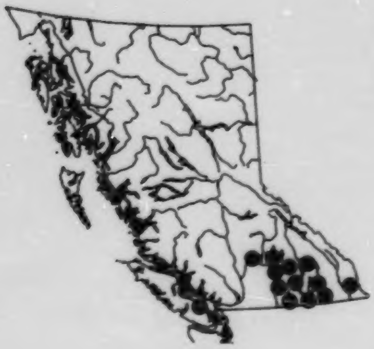
Iberis umbellata



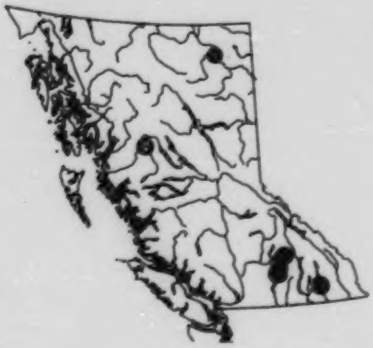
Idahoa scapigera



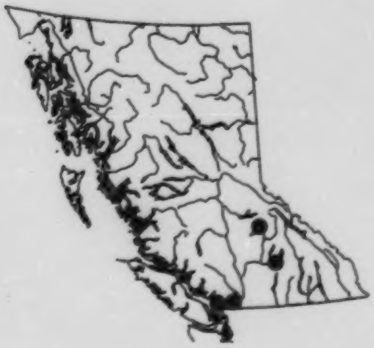
Ilex aquifolium



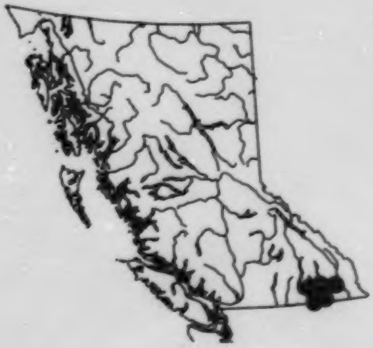
Iliamna rivularis
var. *rivularis*



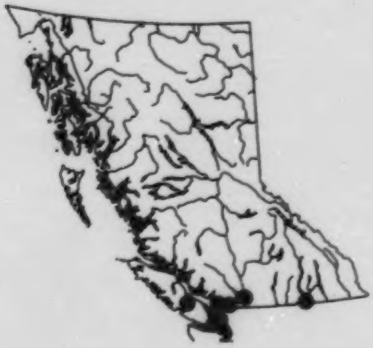
Impatiens aurella



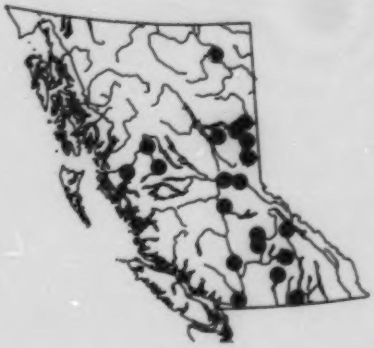
Impatiens capensis



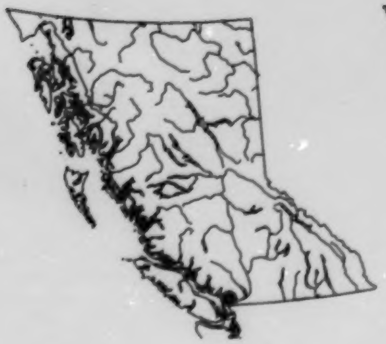
Impatiens ecalcarata



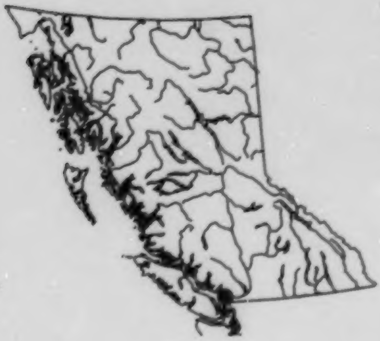
Impatiens glandulifera



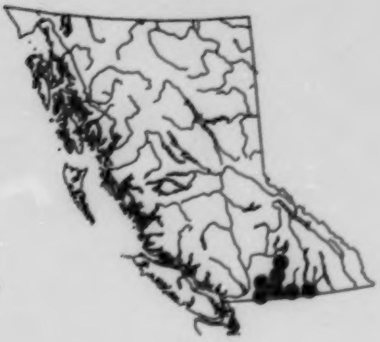
Impatiens noli-tangere



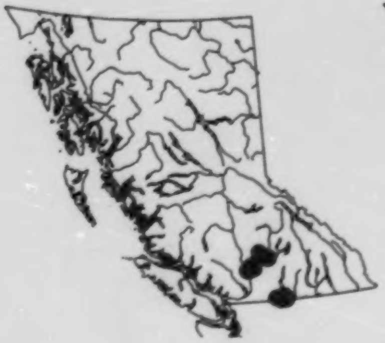
Impatiens parviflora



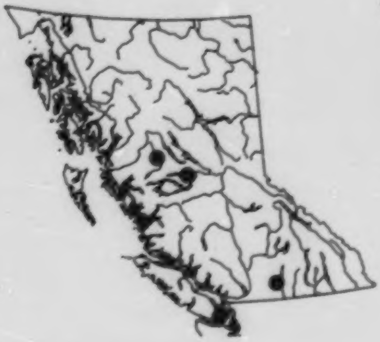
Inula helenium



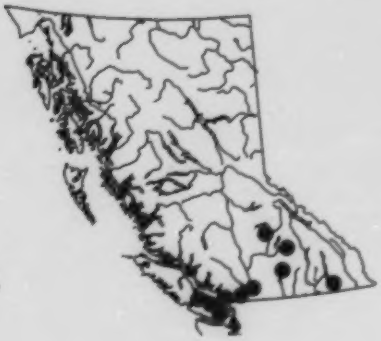
Ipomopsis aggregata
var. *aggregata*



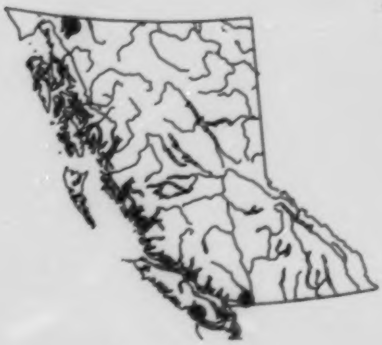
Ipomopsis minutiflora



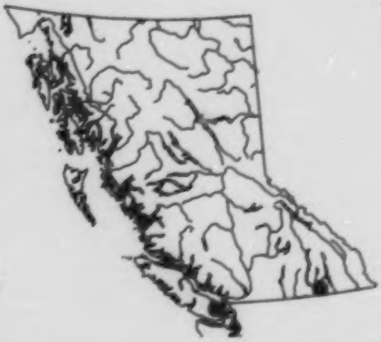
Iris missouriensis



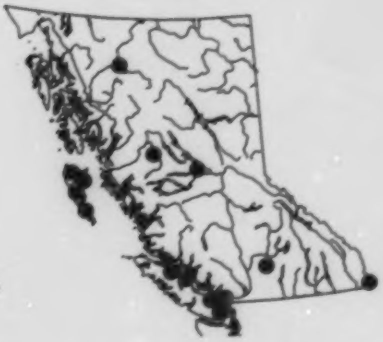
Iris pseudacorus



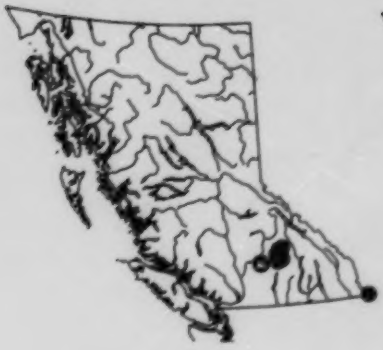
Iris sibirica



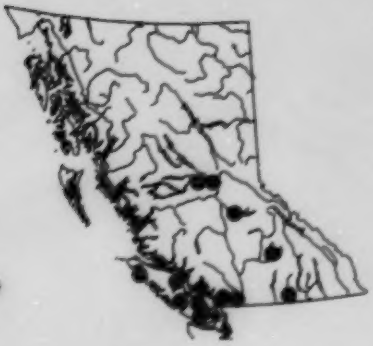
Isatis tinctoria



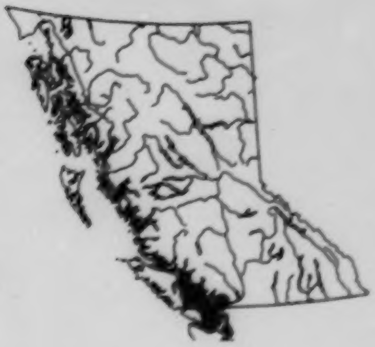
Isoetes echinospora



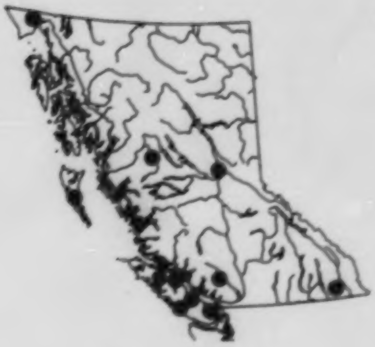
Isoetes howellii



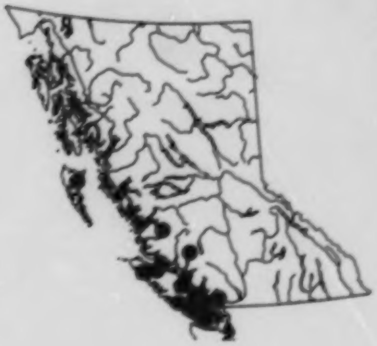
Isoetes maritima



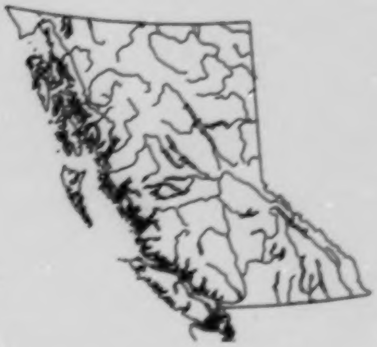
Isoetes nuttallii



Isoetes occidentalis



Isolepis cernua



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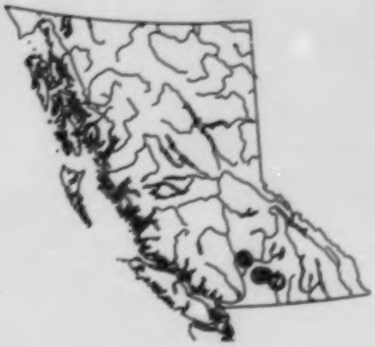
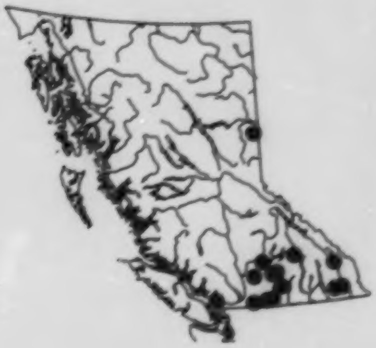


Iva axillaris ssp. *robustior*



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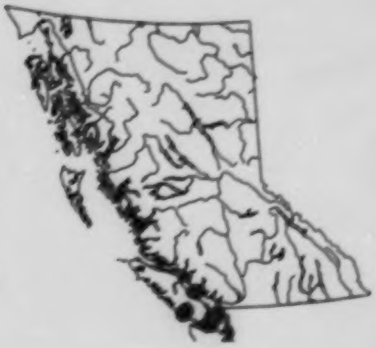
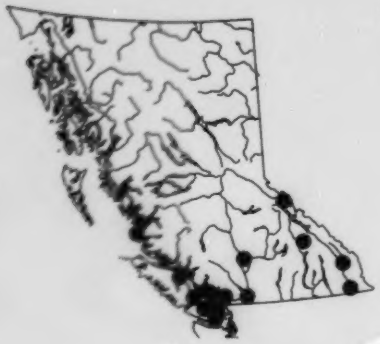
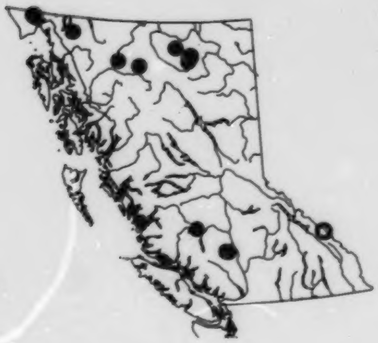


Jaumea carnosa



Juncus acuminatus



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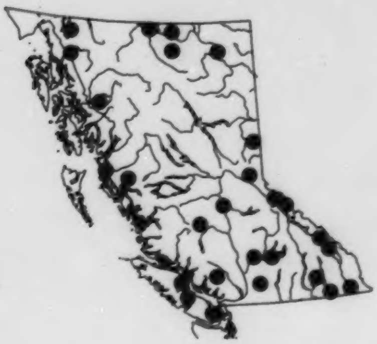

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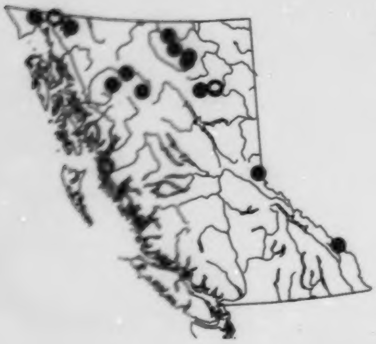

Juncus arcticus
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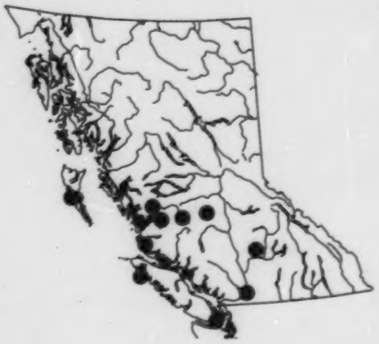

Juncus arcticus
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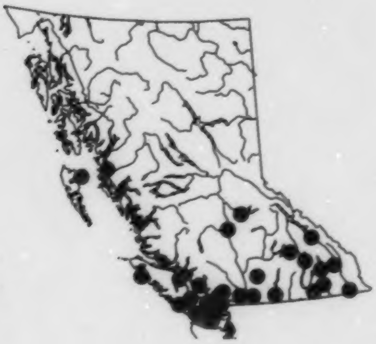
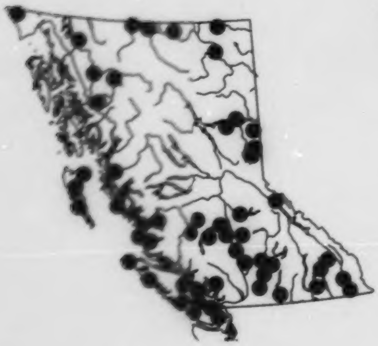


Juncus articulatus



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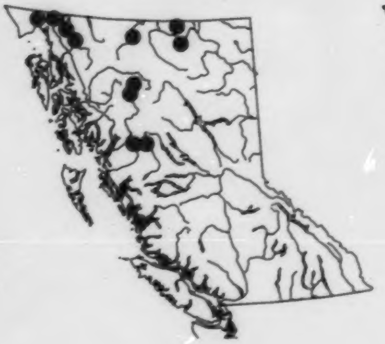
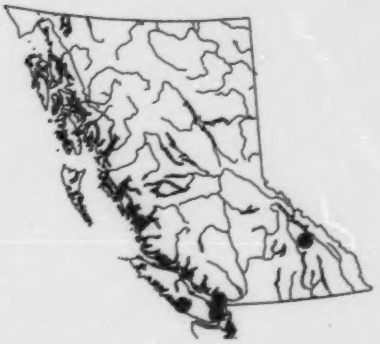
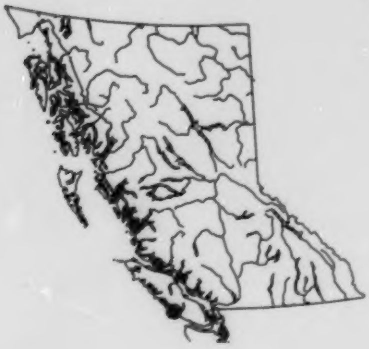


Juncus biglumis



Juncus bolanderi



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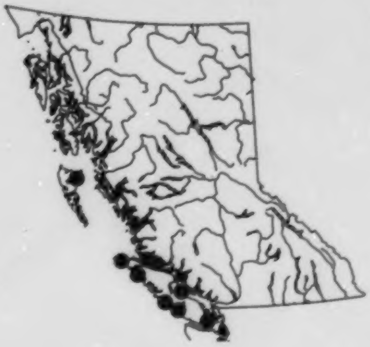

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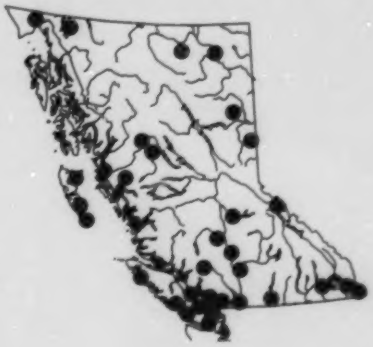
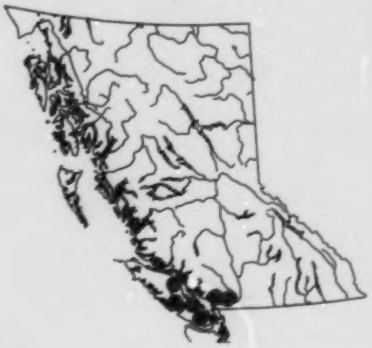
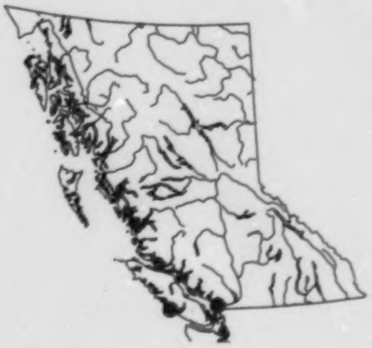


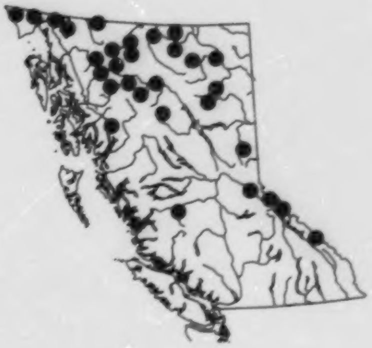
Juncus bufonius



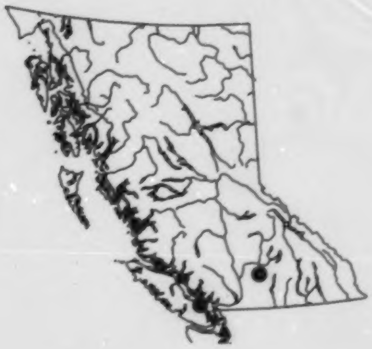
Juncus bulbosus



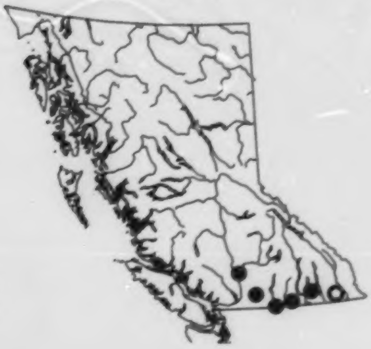
Juncus canadensis



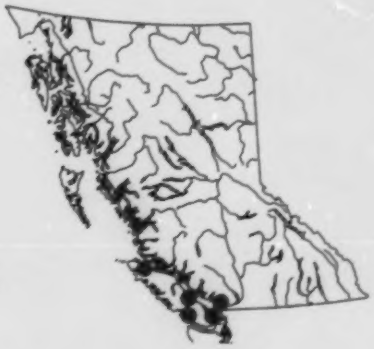
Juncus castaneus
ssp. castaneus



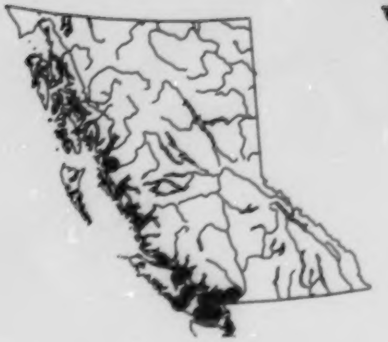
Juncus compressus



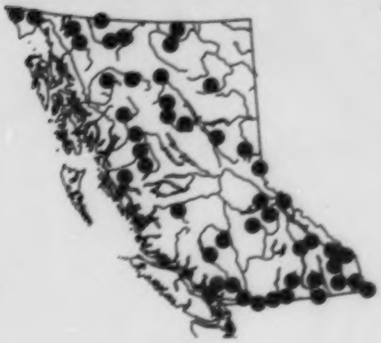
Juncus confusus



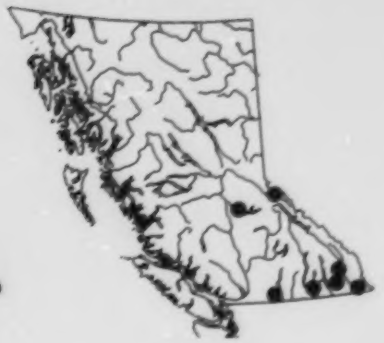
Juncus conglomeratus



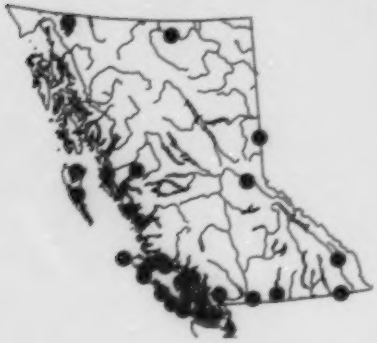
Juncus covillei



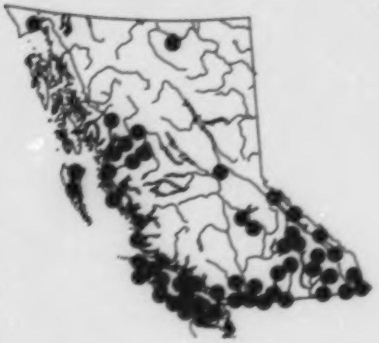
Juncus drummondii sensu lato



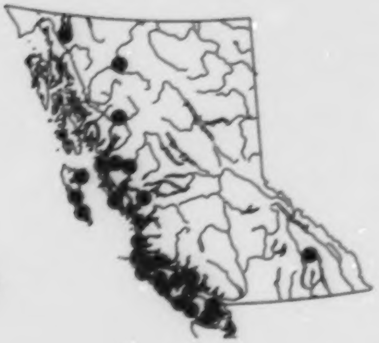
Juncus dudleyi



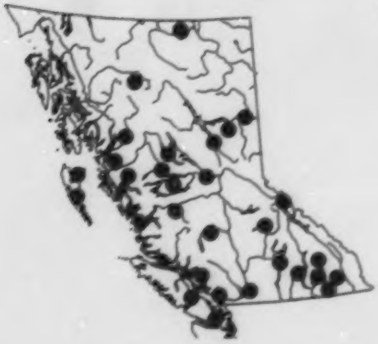
Juncus effusus sensu lato



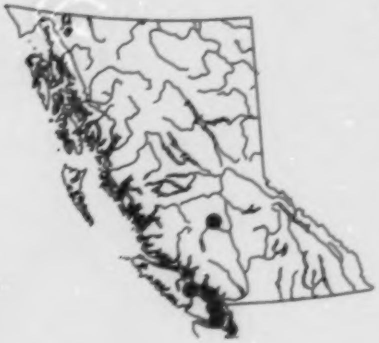
Juncus ensifolius sensu lato



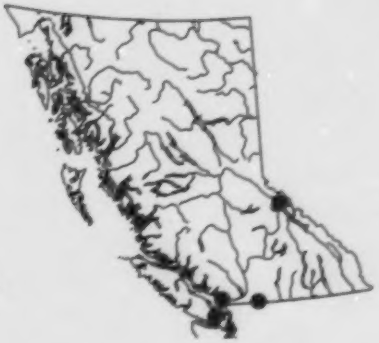
Juncus falcatus



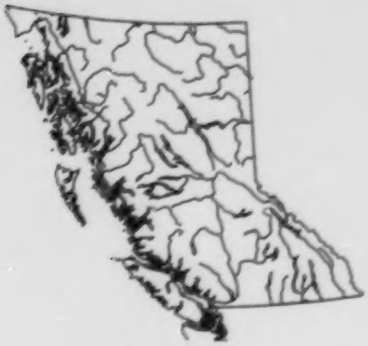
Juncus filiformis



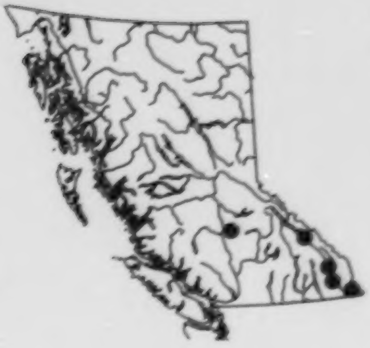
Juncus gerardii



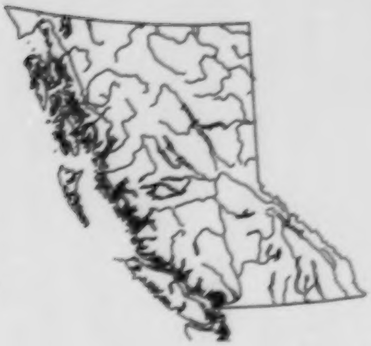
Juncus interior



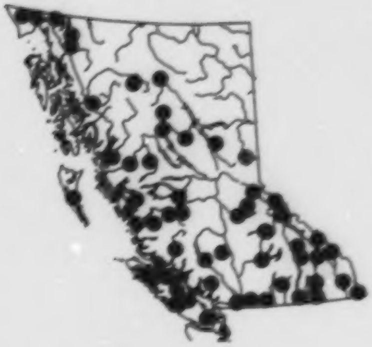
Juncus kelloggii



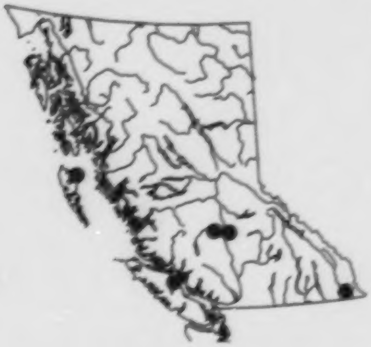
Juncus longistylis



Juncus marginatus



Juncus mertensianus



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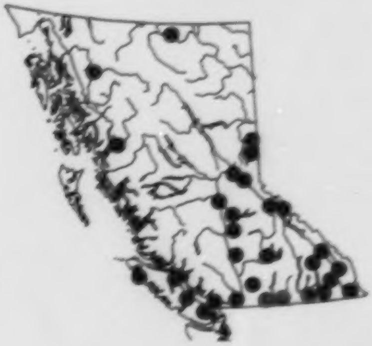

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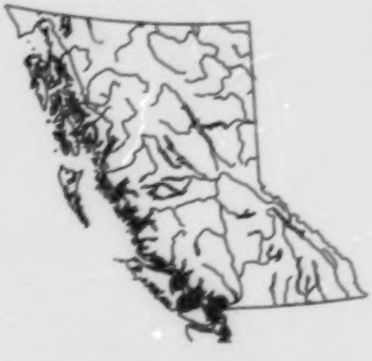

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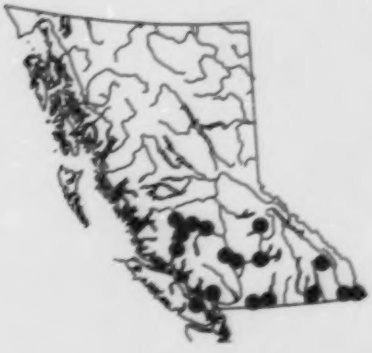
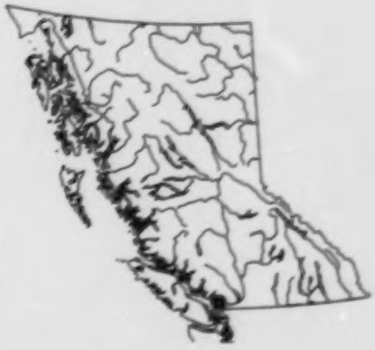
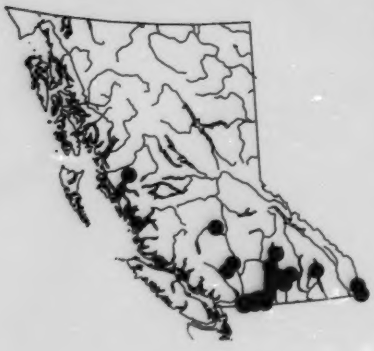


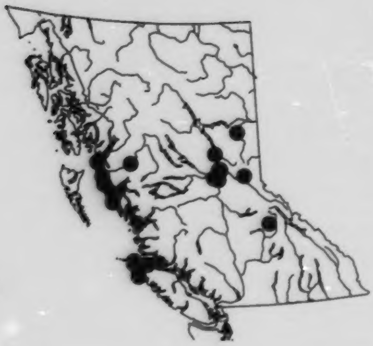
Juncus parryi



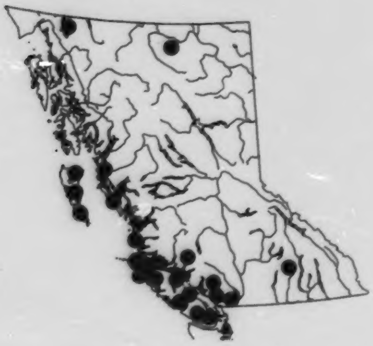
Juncus pelocarpus



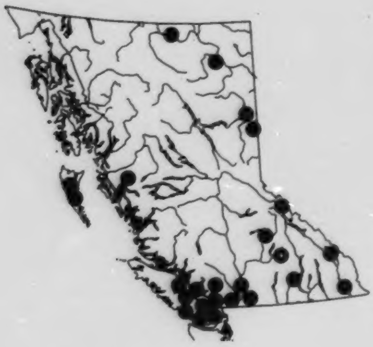
Juncus regelii



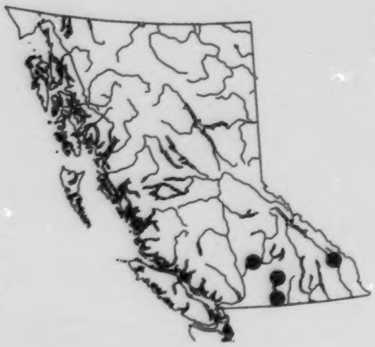
Juncus stygius



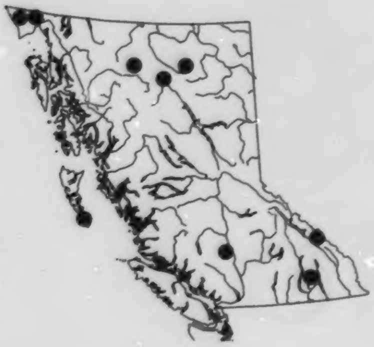
Juncus supiniformis



Juncus tenuis



Juncus torreyi



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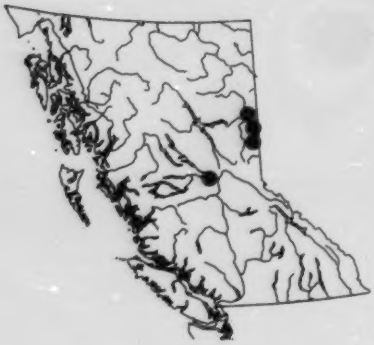
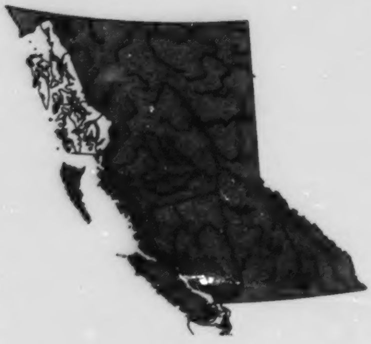
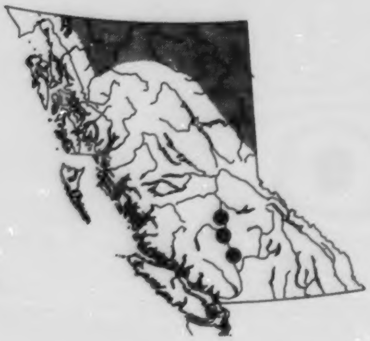


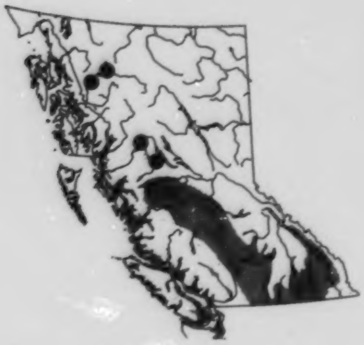
Juncus vaseyi



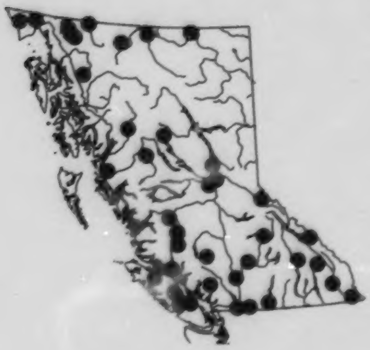
Juniperus communis



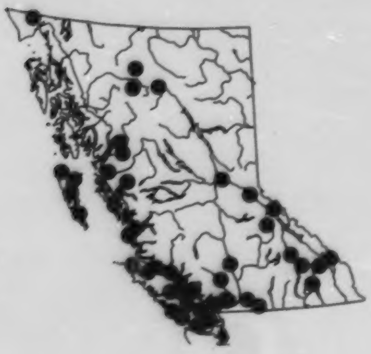
Juniperus horizontalis



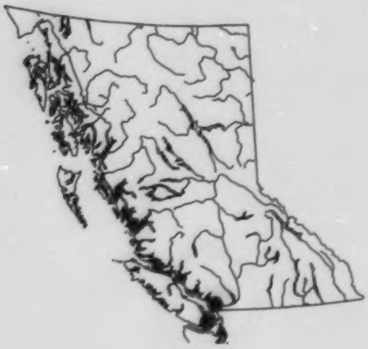
Juniperus scopulorum



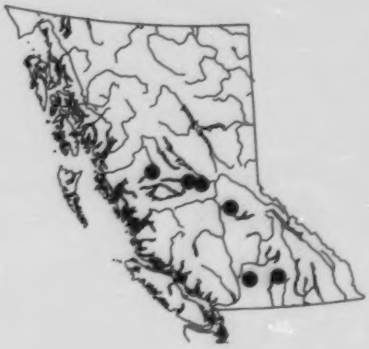
Kalmia microphylla ssp. *microphylla*



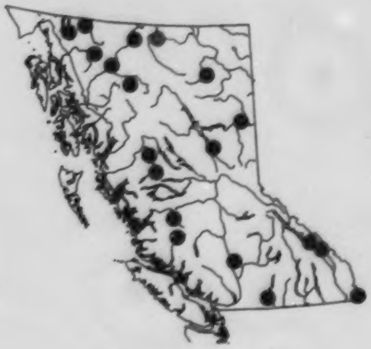
Kalmia microphylla ssp. *occidentalis*



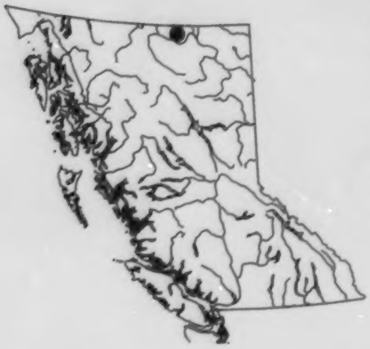
Kickxia elatine



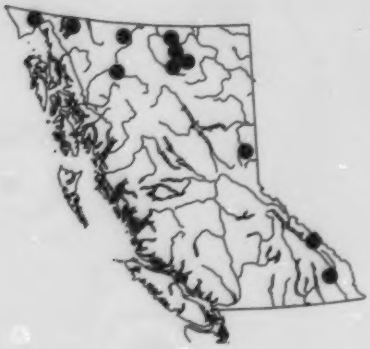
Knautia arvensis



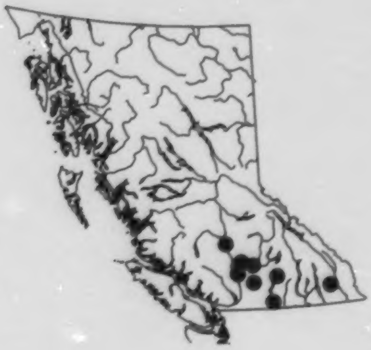
Kobresia myosuroides



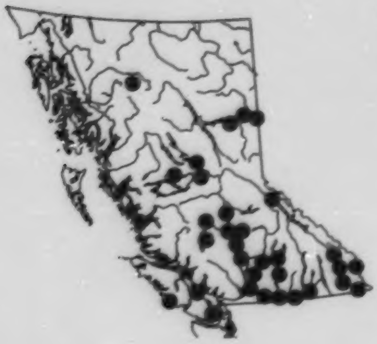
Kobresia sibirica



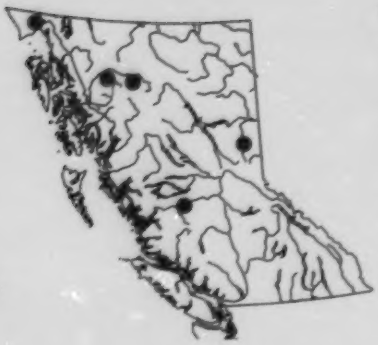
Kobresia simpliciuscula



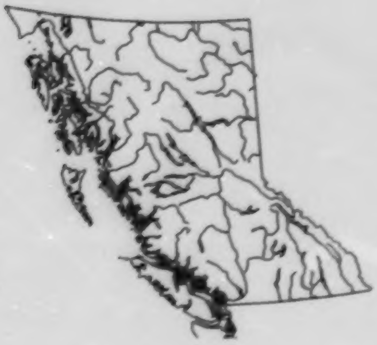
Kochia scoparia



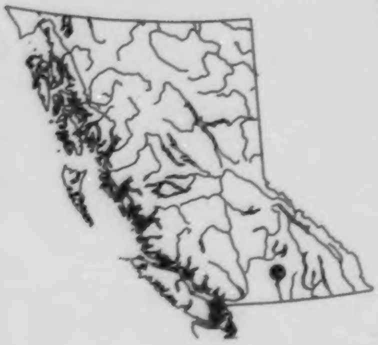
Koeleria macrantha



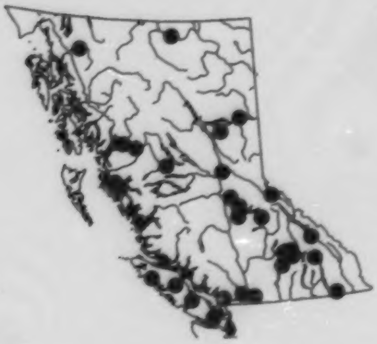
Koenigia islandica



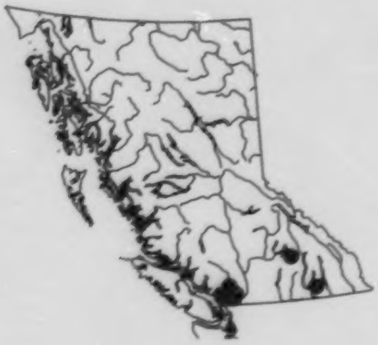
Krigia virginica



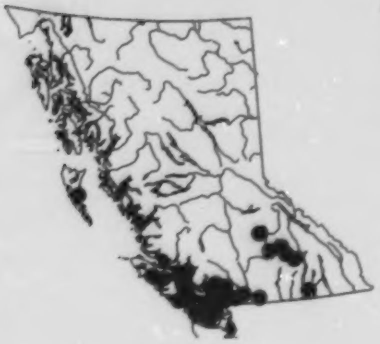
Laburnum anagyroides



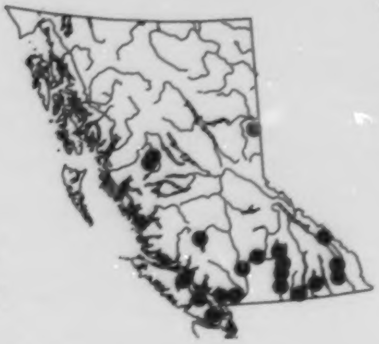
Lactuca biennis



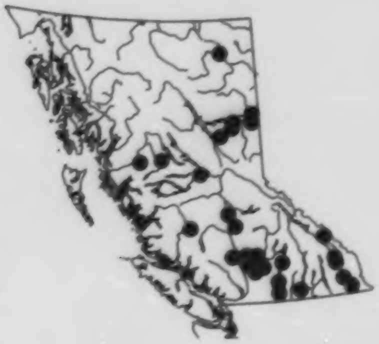
Lactuca canadensis var. *canadensis*



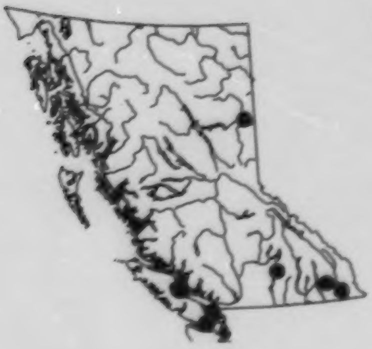
Lactuca muralis



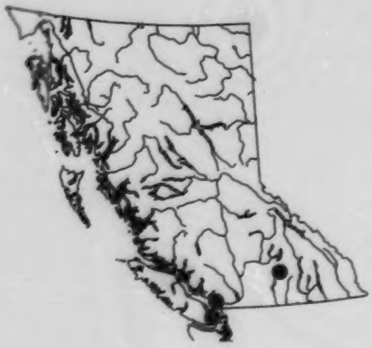
Lactuca serriola



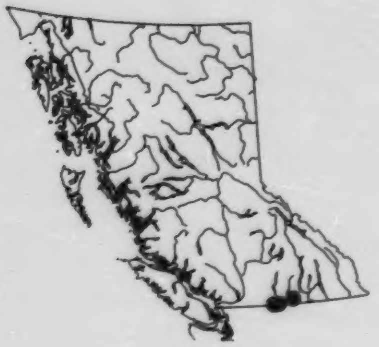
Lactuca tatarica ssp. *pulchella*



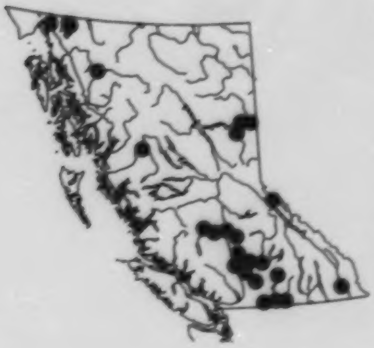
Lamium amplexicaule



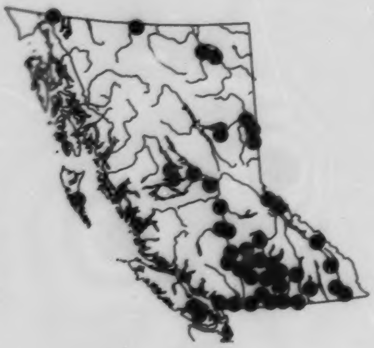
Lamium purpureum
sensu lato



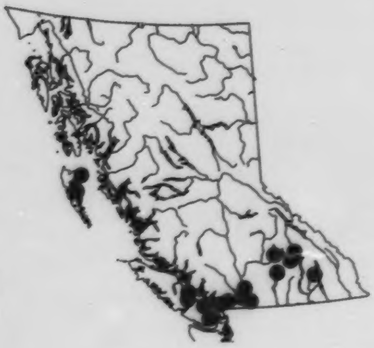
Lappula occidentalis
var. cupulata



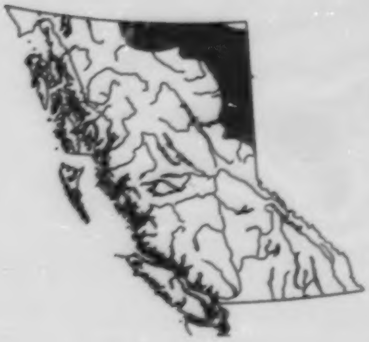
Lappula occidentalis
var. occidentalis



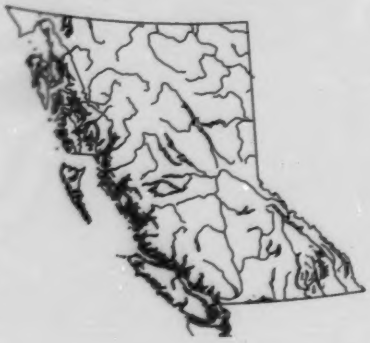
Lappula squarrosa



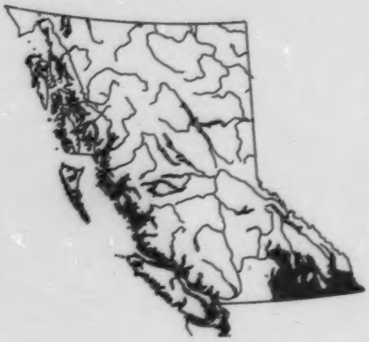
Lapsana communis



Larix laricina



Larix lyallii



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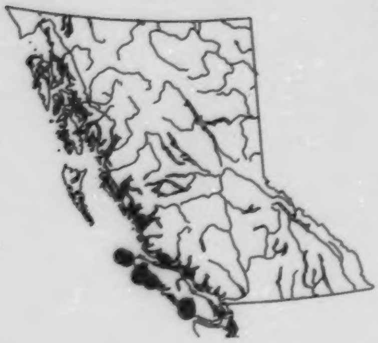
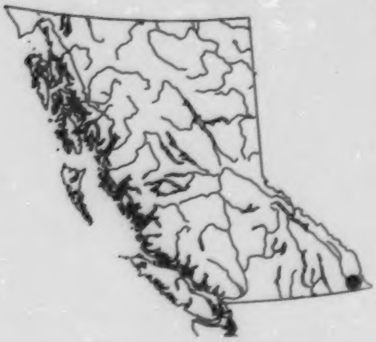
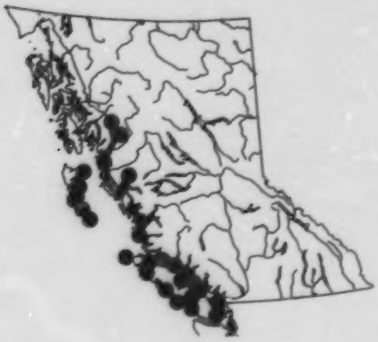


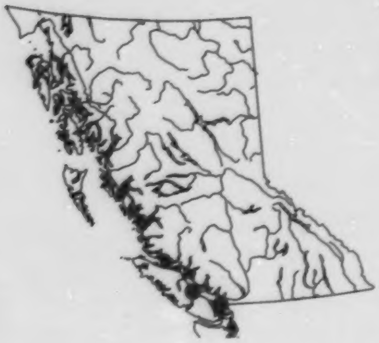
Lasthenia maritima



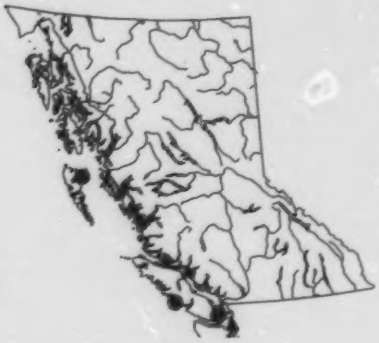
Lathyrus bijugatus



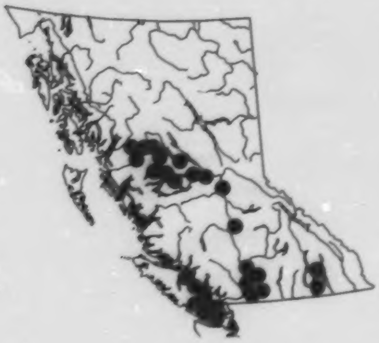
Lathyrus japonicus
var. *maritimus*



Lathyrus latifolius



Lathyrus littoralis



Lathyrus nevadensis
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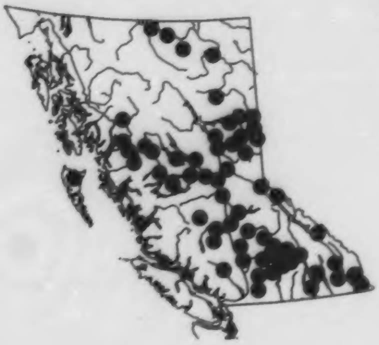
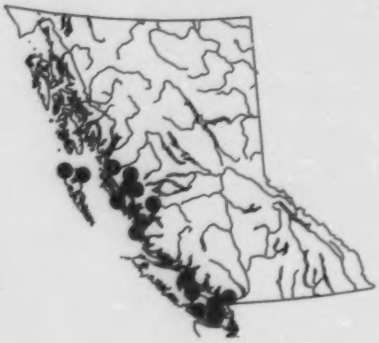
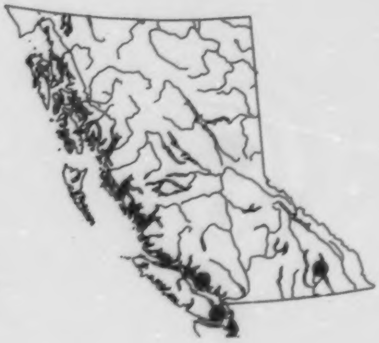


Lathyrus ochroleucus



Lathyrus palustris



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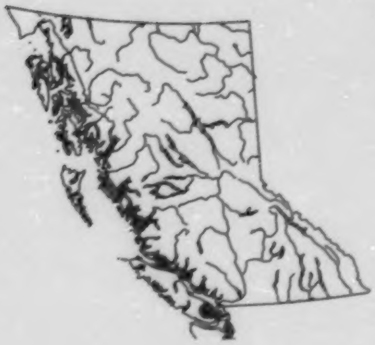
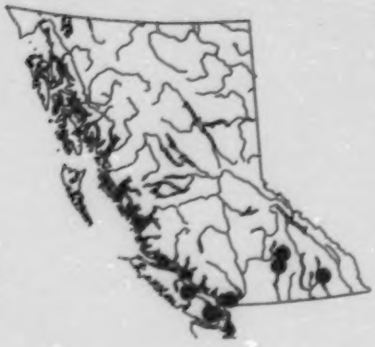
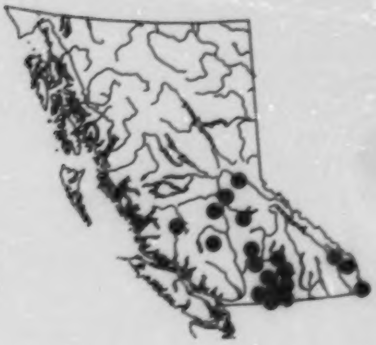


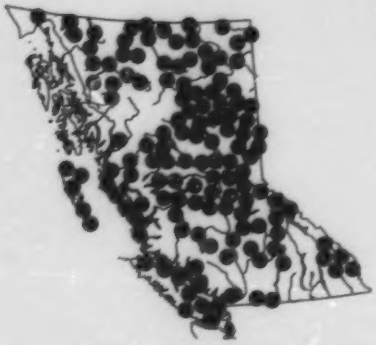
Lathyrus sphaericus



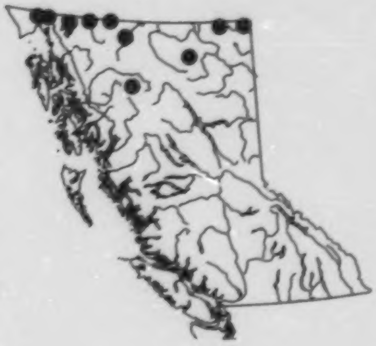
Lathyrus sylvestris



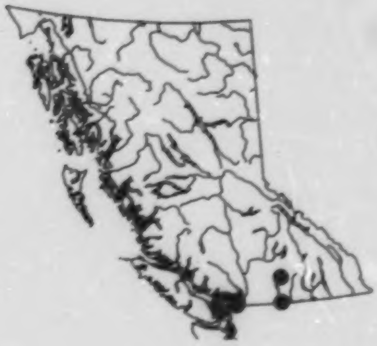
Ledum glandulosum



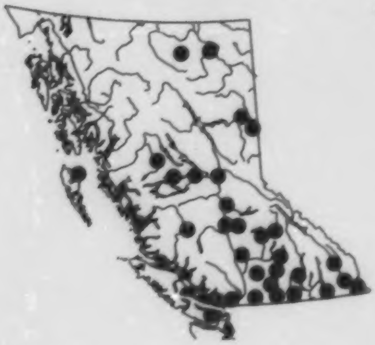
Ledum groenlandicum



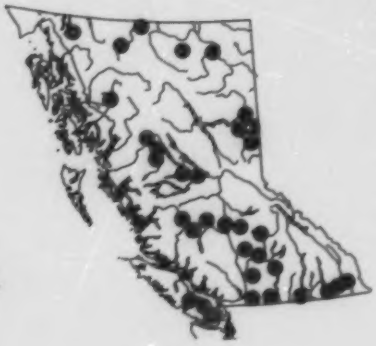
Ledum palustre
ssp. decumbens



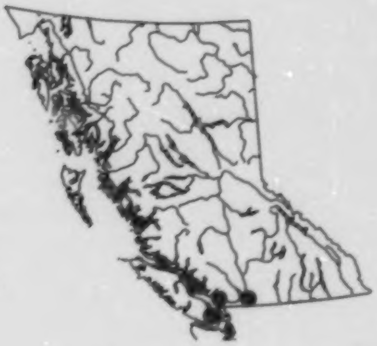
Leersia oryzoides



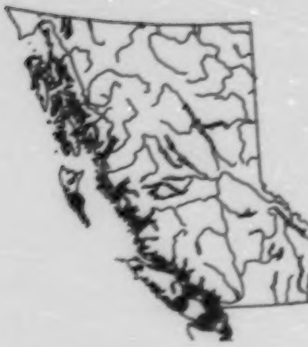
Lemna minor



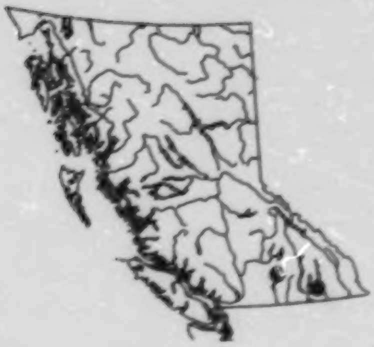
Lemna trisulca



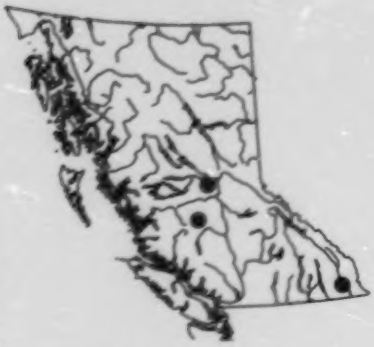
Leontodon autumnalis



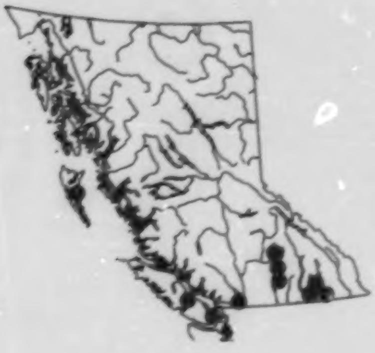
Leontodon taraxacoides



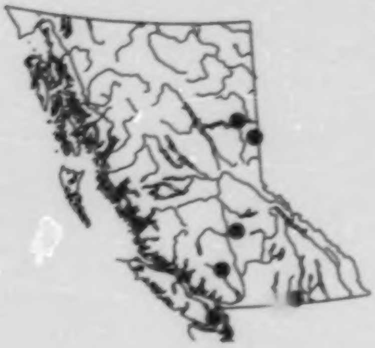
Leonurus cardiaca



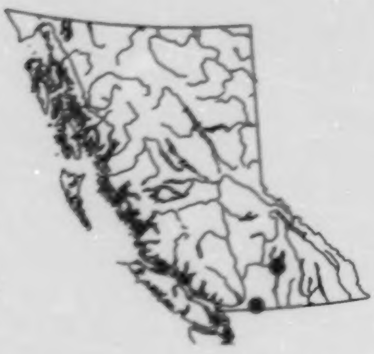
Lepidium bourgeauanum



Lepidium campestre



Lepidium densiflorum
var. *densiflorum*



Lepidium densiflorum
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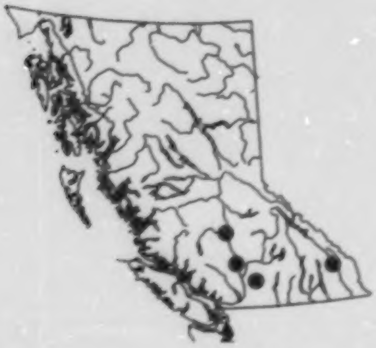

Lepidium densiflorum
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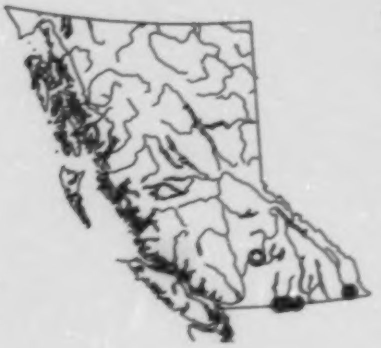
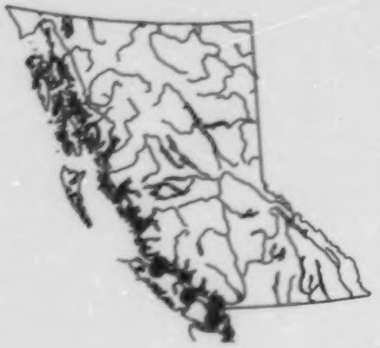
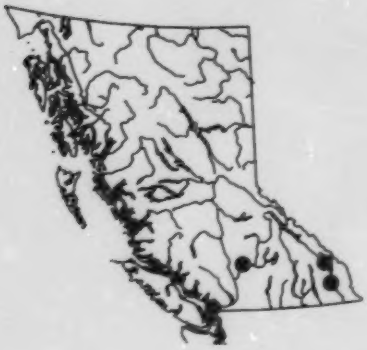


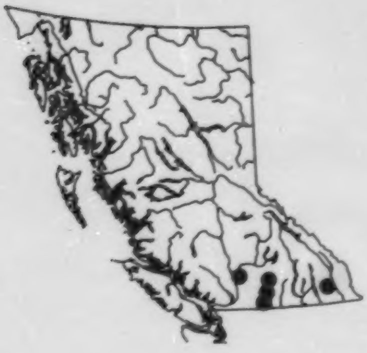
Lepidium densiflorum
var. *pubicarpum*



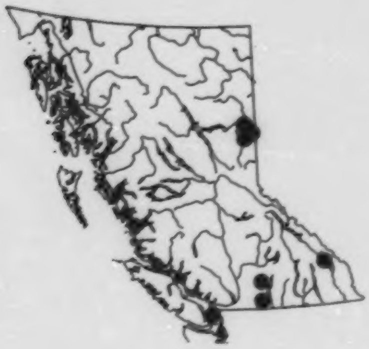
Lepidium heterophyllum



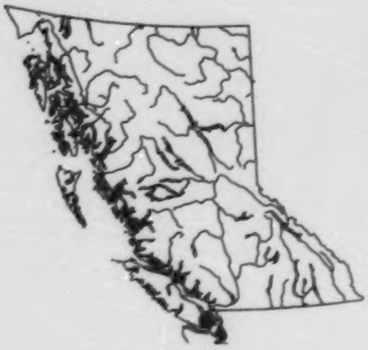
Lepidium latifolium



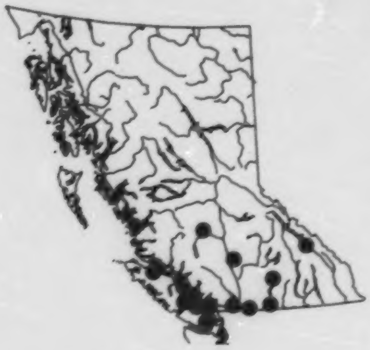
Lepidium perfoliatum



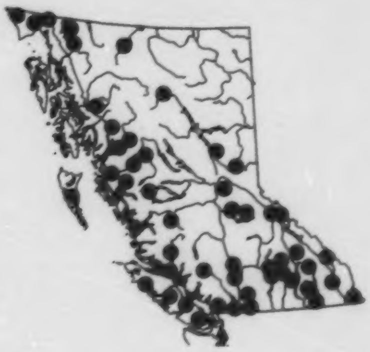
Lepidium ramosissimum



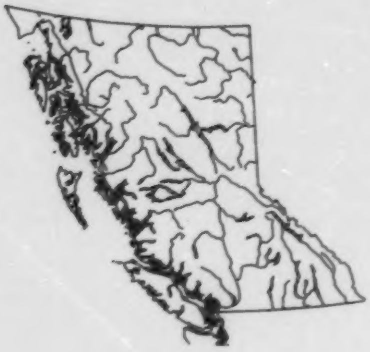
Lepidium sativum



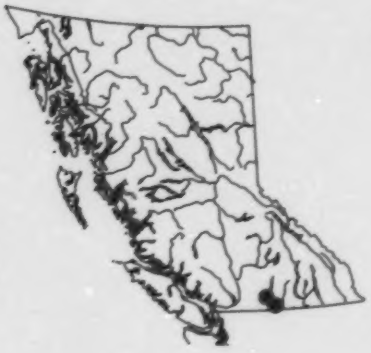
Lepidium virginicum



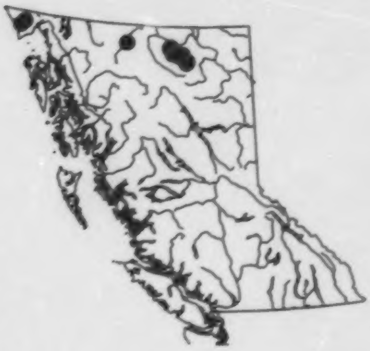
Leptarrhena pyrolifolia



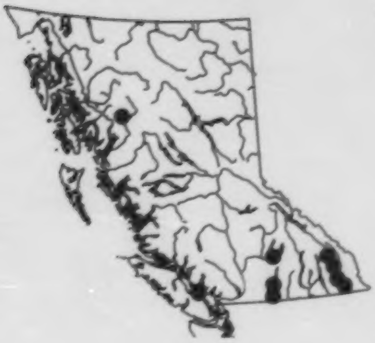
Leptochloa fascicularis



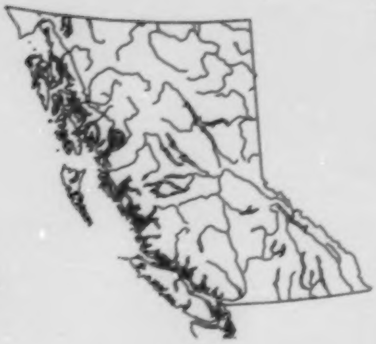
Leptodactylon pungens



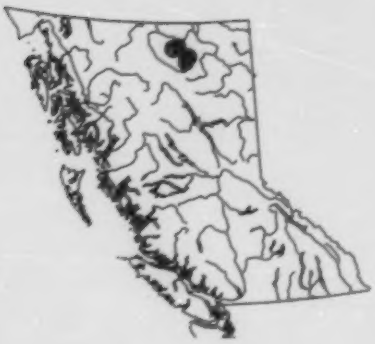
Lesquerella arctica var. arctica



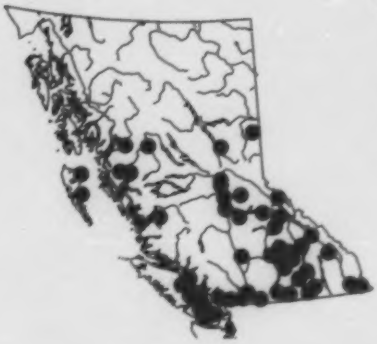
Lesquerella douglasii



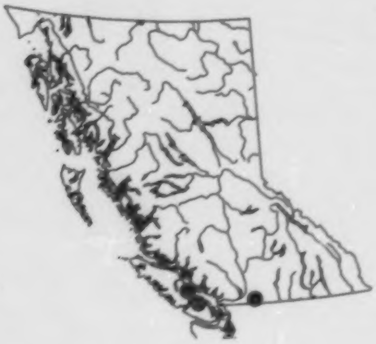
Leucanthemum arcticum



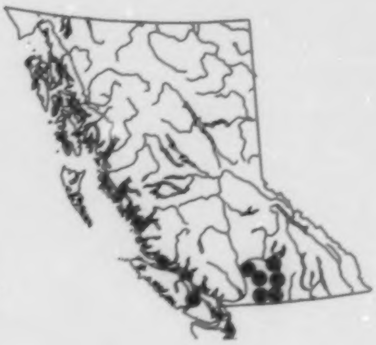
Leucanthemum integrifolium



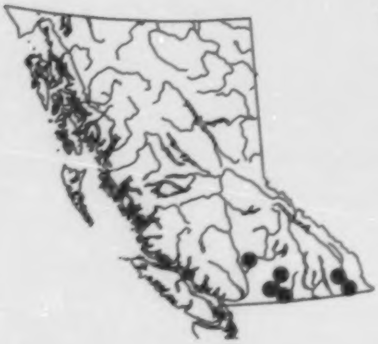
Leucanthemum vulgare



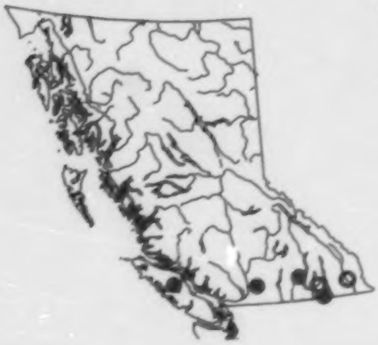
Lewisia columbiana var. *columbiana*



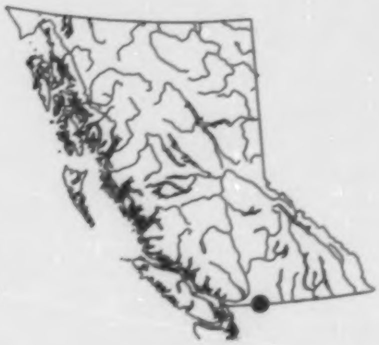
Lewisia pygmaea var. *pygmaea*



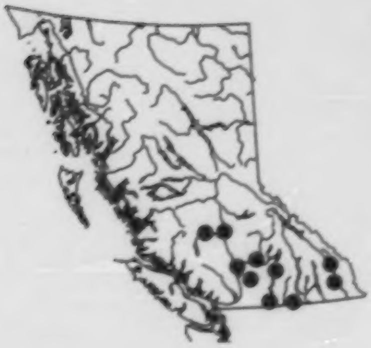
Lewisia rediviva



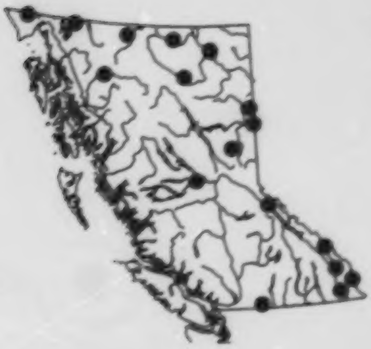
Lewisia triphylla



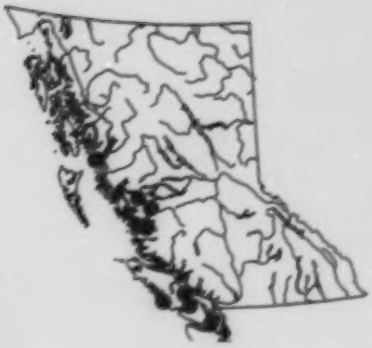
Lewisia tweedyi



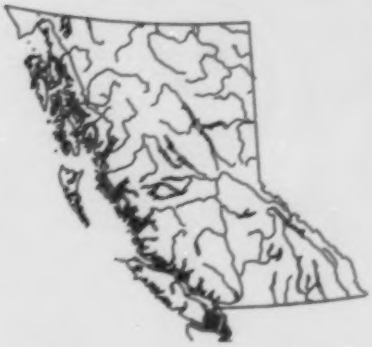
Leymus cinereus



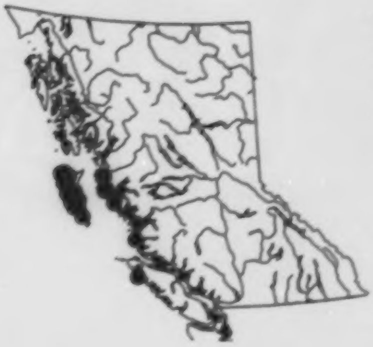
Leymus innovatus



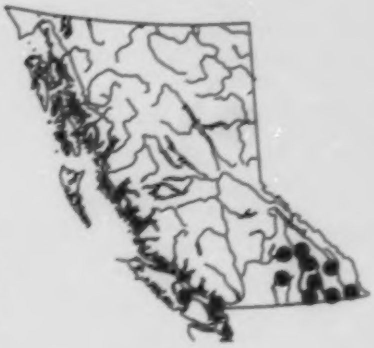
Leymus mollis ssp. *mollis*



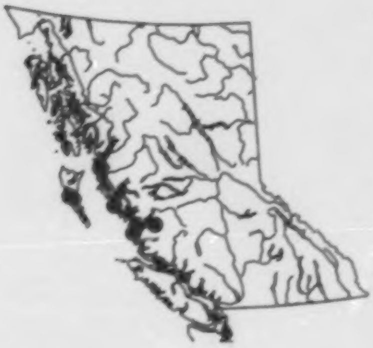
Leymus triticoides



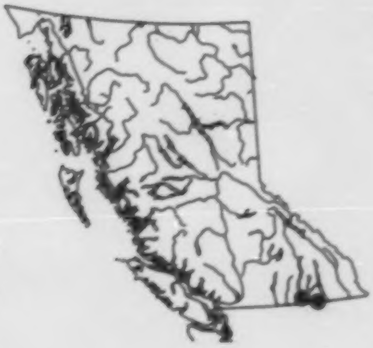
Ligusticum calderi



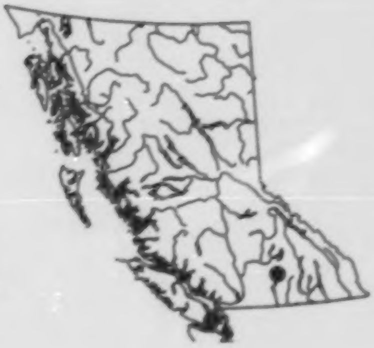
Ligusticum canbyi



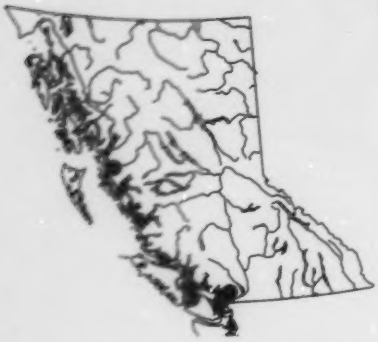
Ligusticum scoticum
ssp. *hultenii*



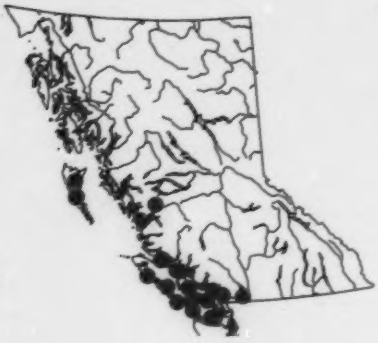
Ligusticum verticillatum



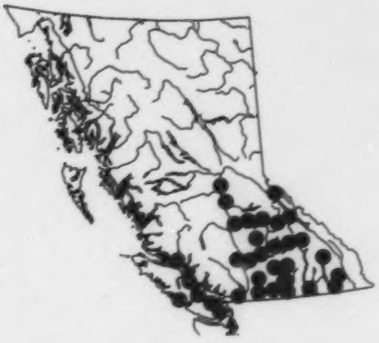
Ligustrum vulgare



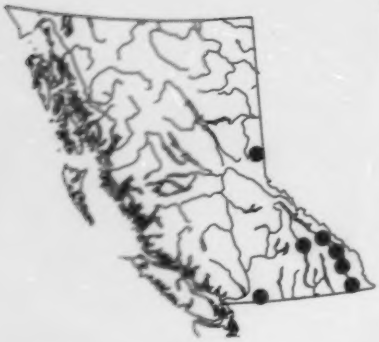
Lilaea scilloides



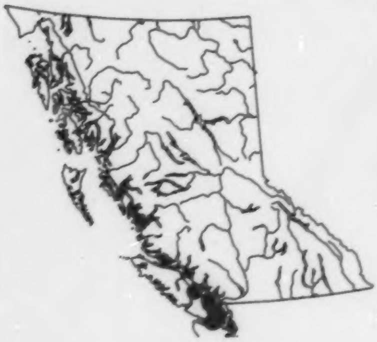
Lilaeopsis occidentalis



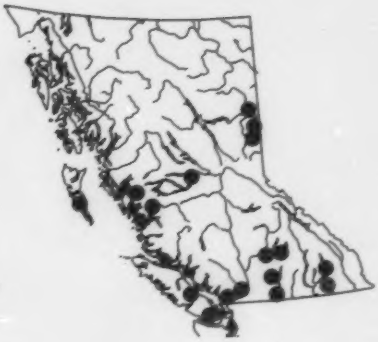
Lilium columbianum



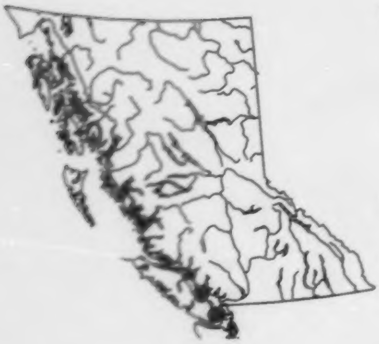
Lilium philadelphicum
var. andinum



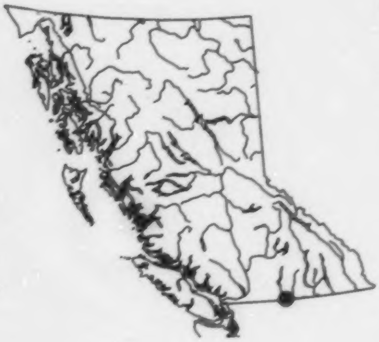
Limnanthes macounii



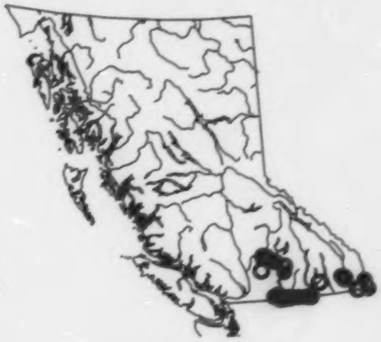
Limosella aquatica



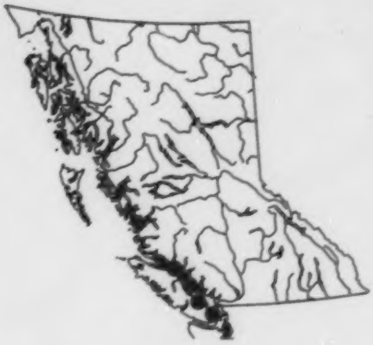
Linanthus bicolor



Linanthus harknessii



Linanthus septentrionalis



Linaria canadensis
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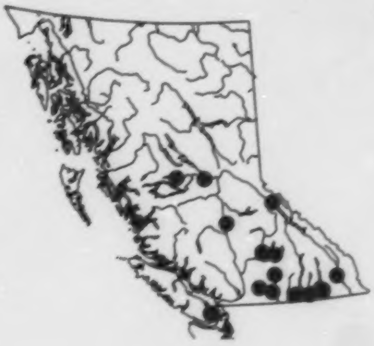

Linaria genistifolia
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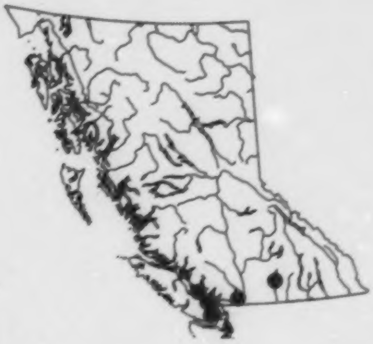

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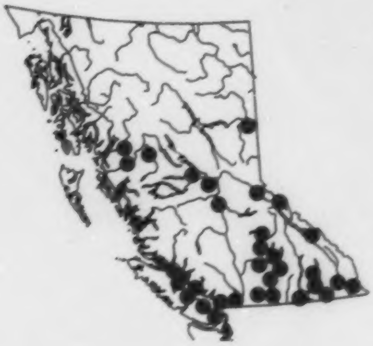

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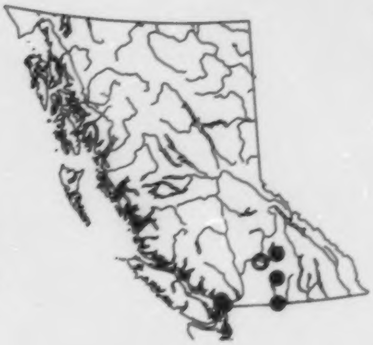

Lindernia dubia
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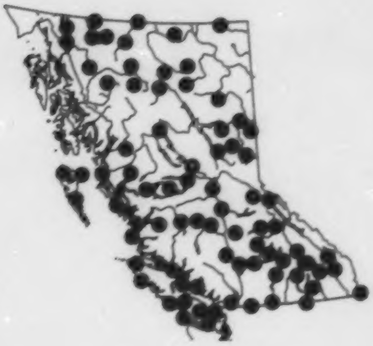
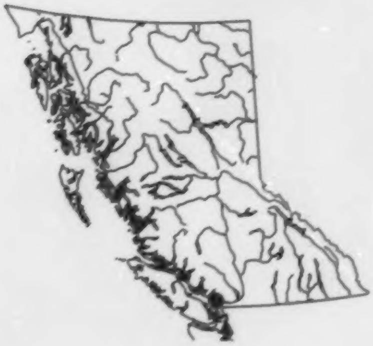
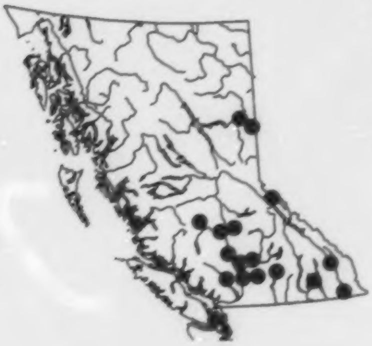


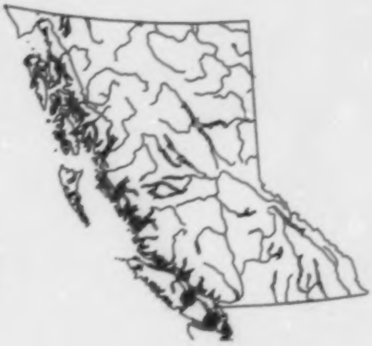
Linnaea borealis
sensu lato



Linum bienne



Linum lewisii
ssp. *lewisii*



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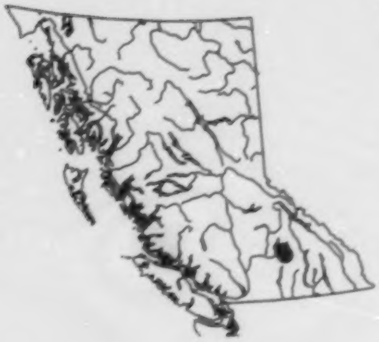
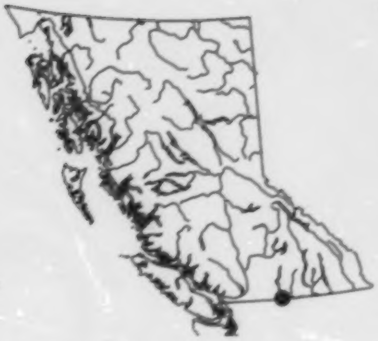
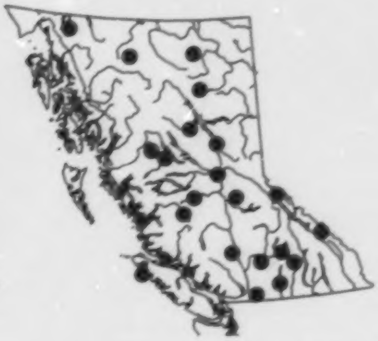


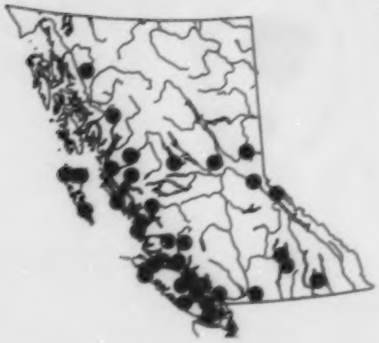
Liparis loeselii



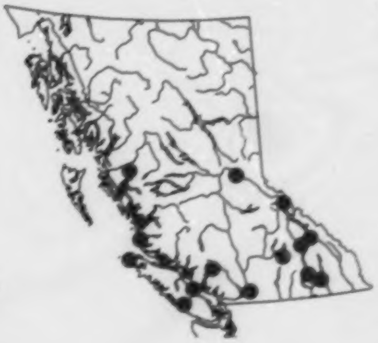
Lipocarpha micrantha



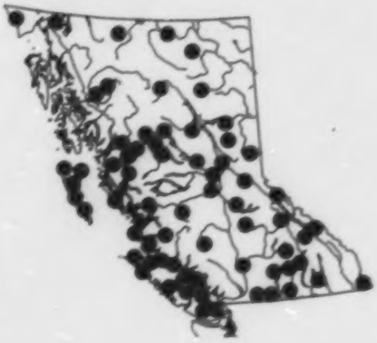
Listera borealis



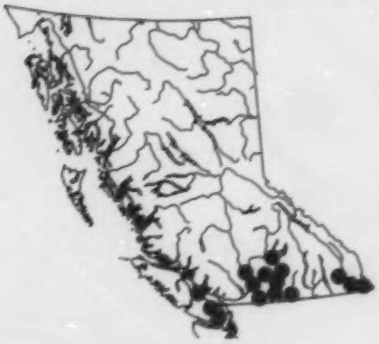
Listera caurina



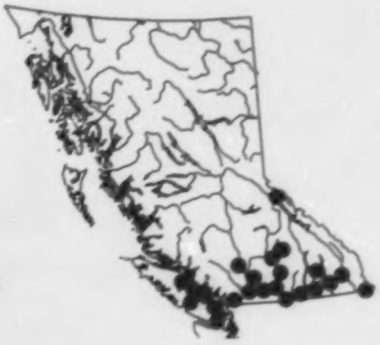
Listera convallarioides



Listera cordata



Lithophragma glabrum



Lithophragma parviflorum
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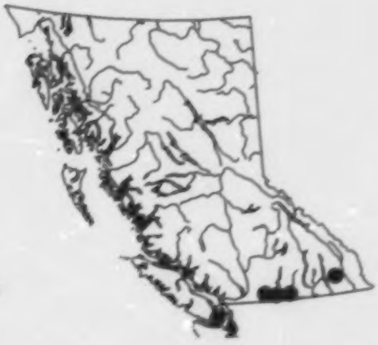
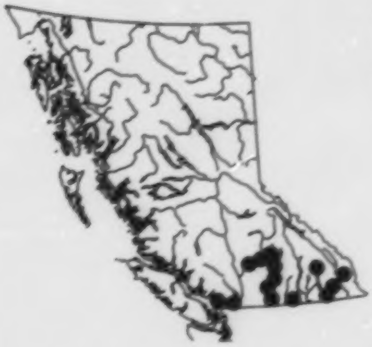
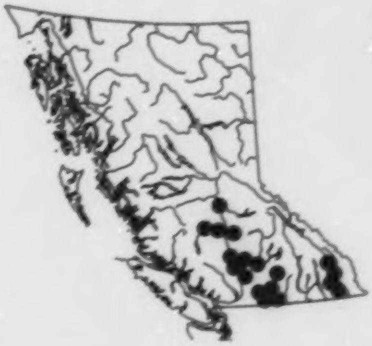


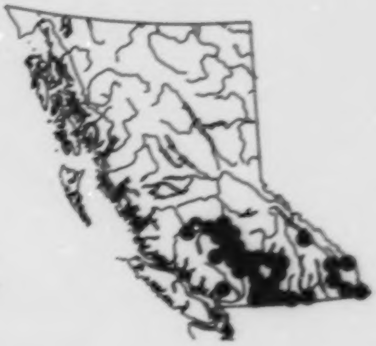
Lithophragma tenellum



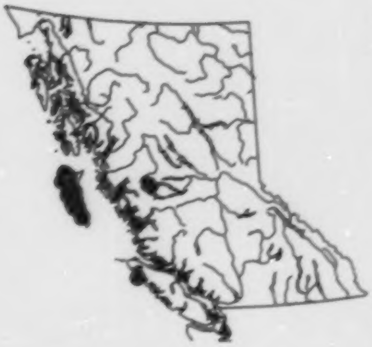
Lithospermum arvense



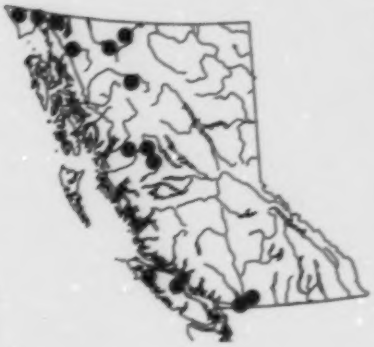
Lithospermum incisum



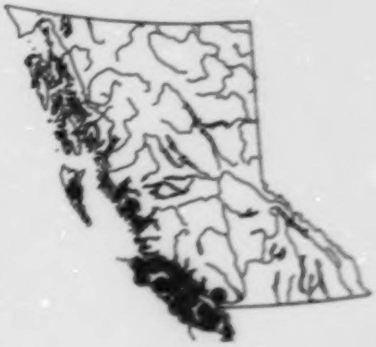
Lithospermum ruderale



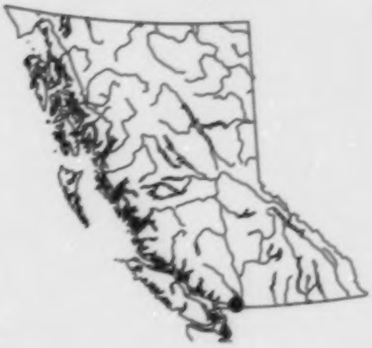
Lloydia serotina var. flava



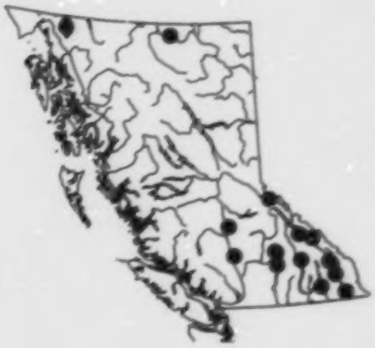
Lloydia serotina
var. serotina



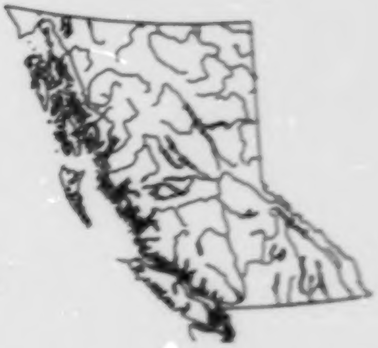
Lobelia dortmanna



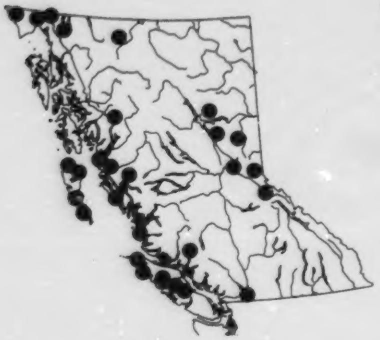
Lobelia inflata



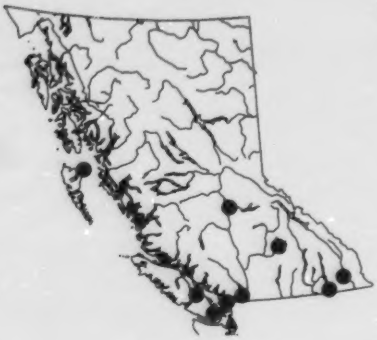
Lobelia kalmii



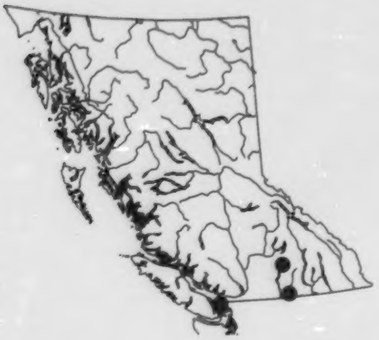
Lobularia maritima



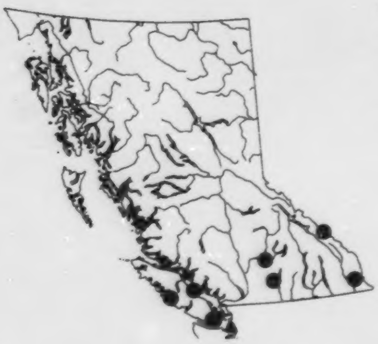
Loiseleuria procumbens



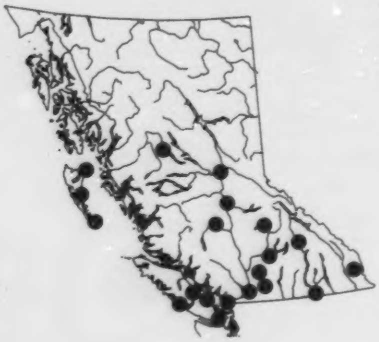
Lolium arundinaceum



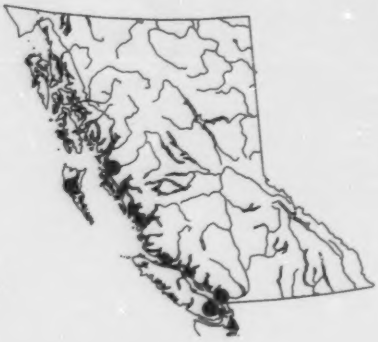
Lolium multiflorum



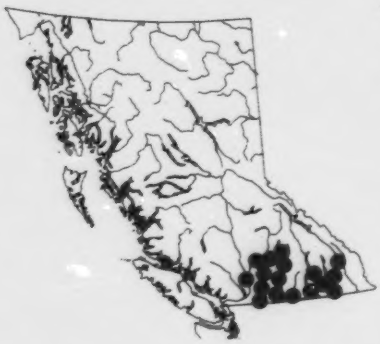
Lolium perenne



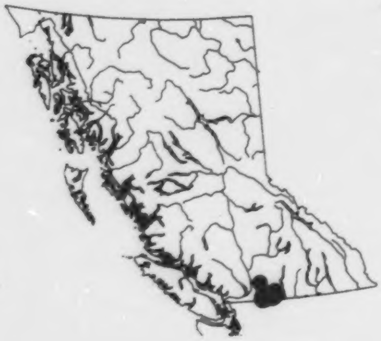
Lolium pratense



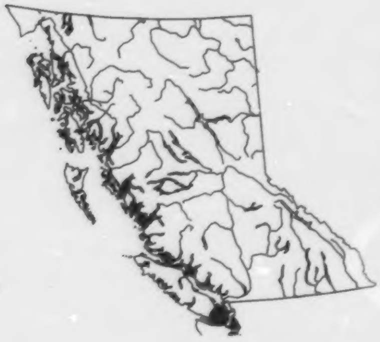
Lolium temulentum



Lomatium ambiguum



Lomatium brandegeei



Lomatium dissectum
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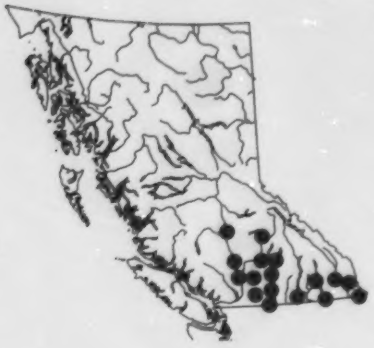

Lomatium dissectum
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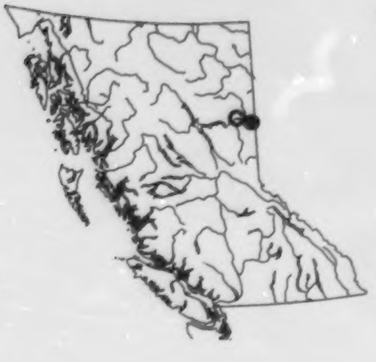

Lomatium foeniculaceum
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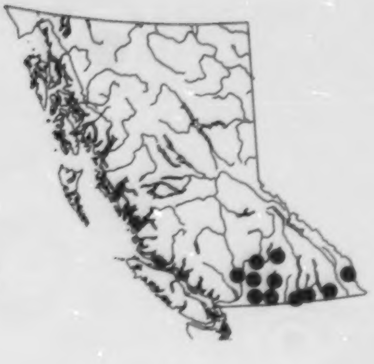
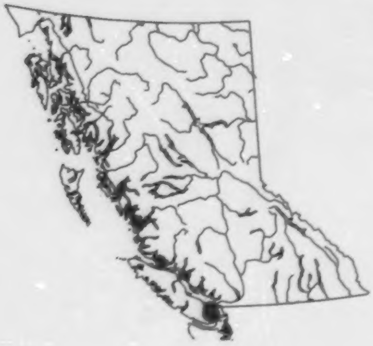


Lomatium geyeri



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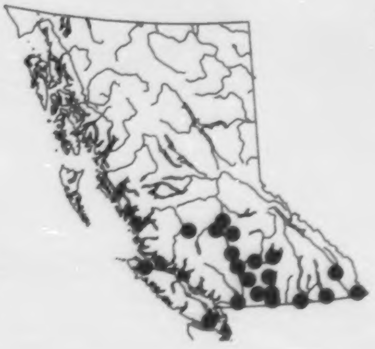

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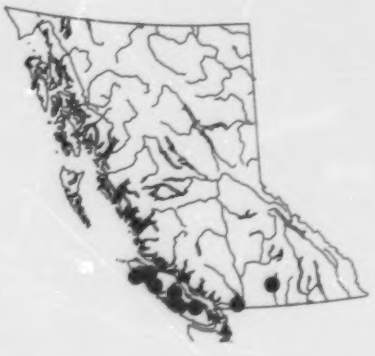
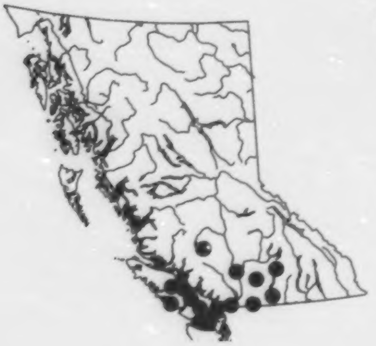
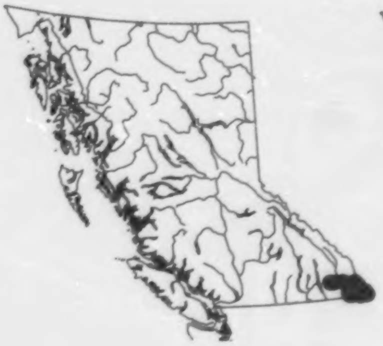


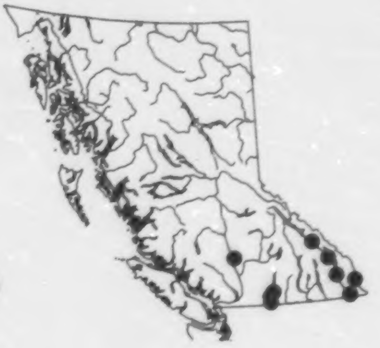
Lomatium martindalei



Lomatium nudicaule



Lomatium sandbergii



Lomatium triternatum
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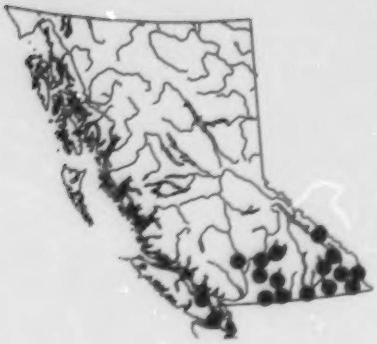

Lomatium triternatum
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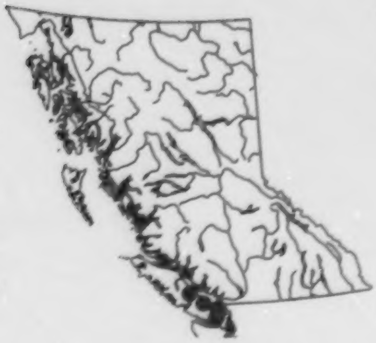
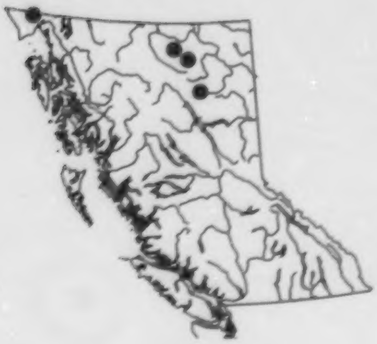
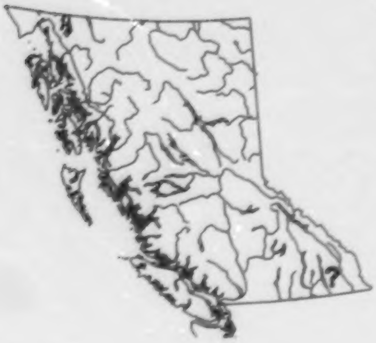


Lomatium utriculatum



Lomatogonium rotatum



Lonicera caerulea
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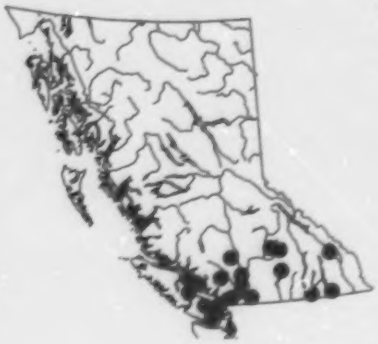
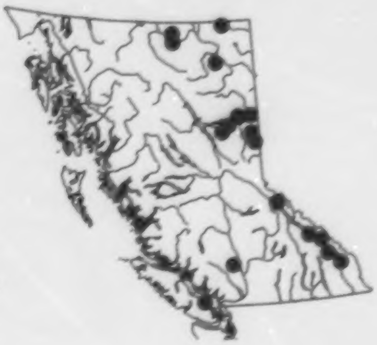


Lonicera ciliosa



Lonicera dioica
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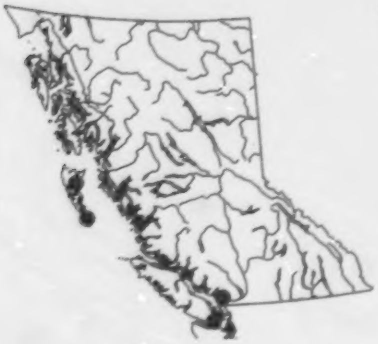
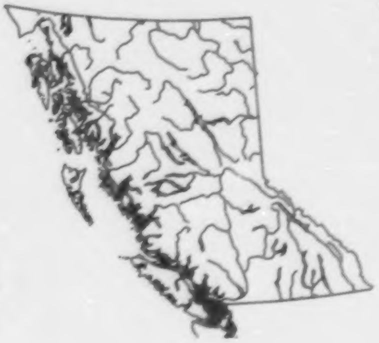
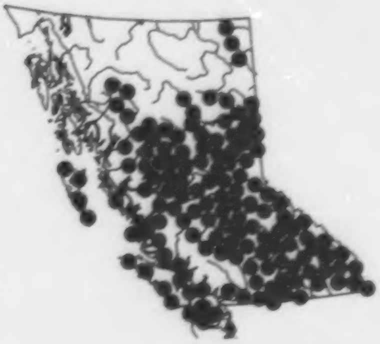


Lonicera etrusca



Lonicera hispidula



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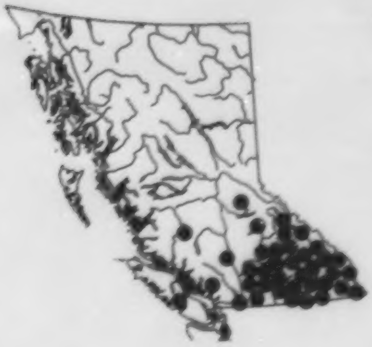
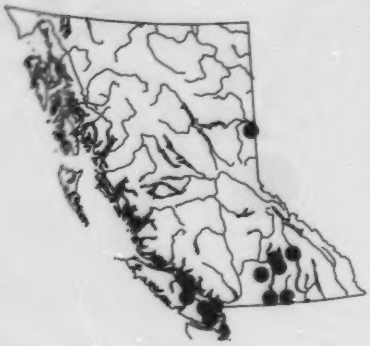
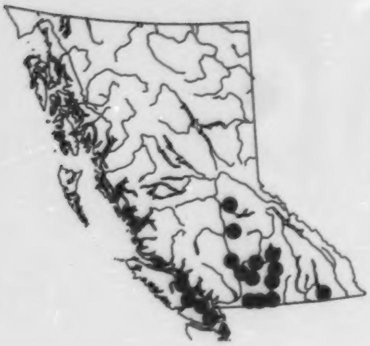


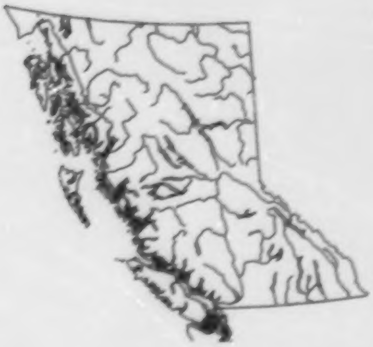
Lonicera utahensis



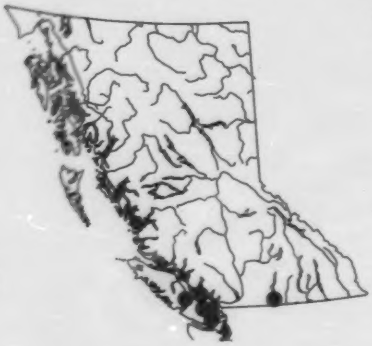
Lotus corniculatus



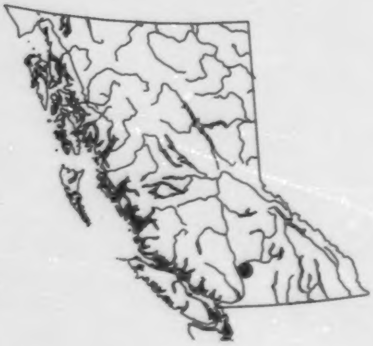
Lotus denticulatus



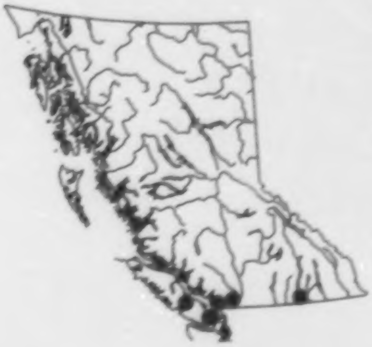
Lotus formosissimus



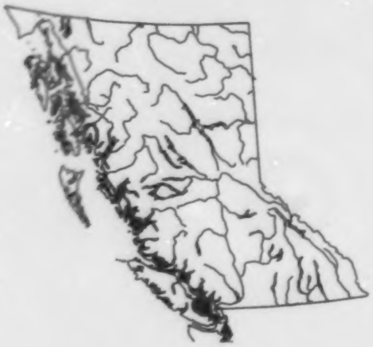
Lotus micranthus



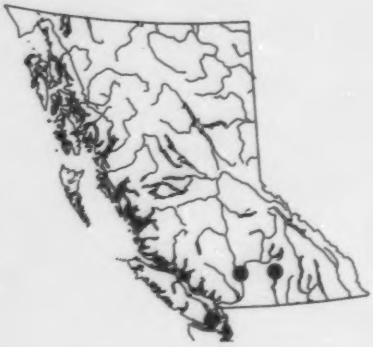
Lotus nevadensis
var. *douglasii*



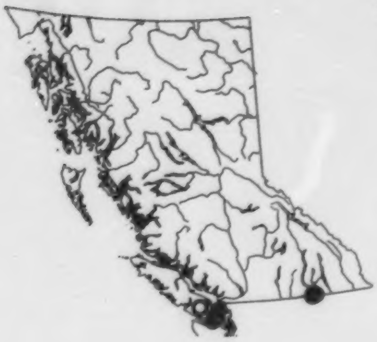
Lotus pedunculatus



Lotus pinnatus



Lotus tenuis



Lotus unifoliolatus
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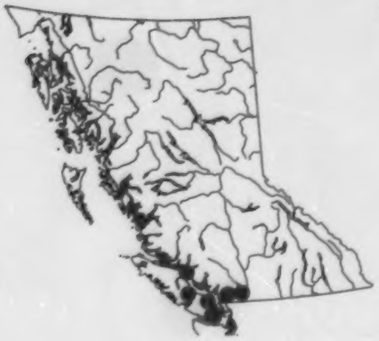
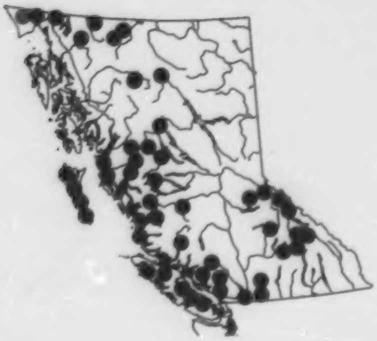
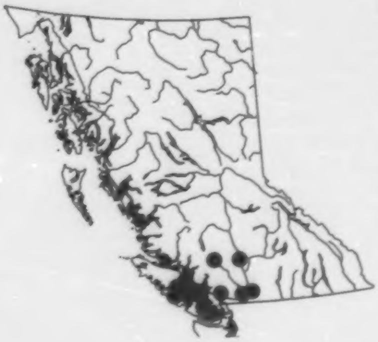


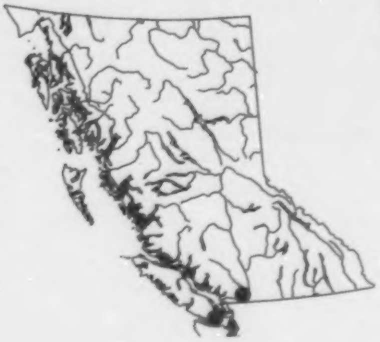
Ludwigia palustris



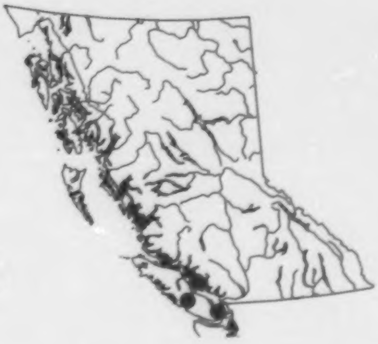
Luetkea pectinata



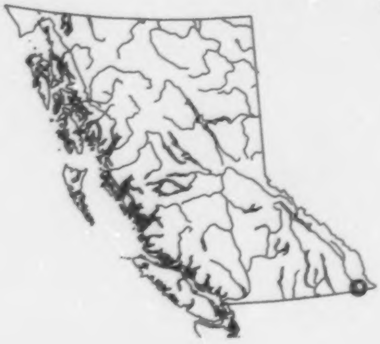
Luina hypoleuca



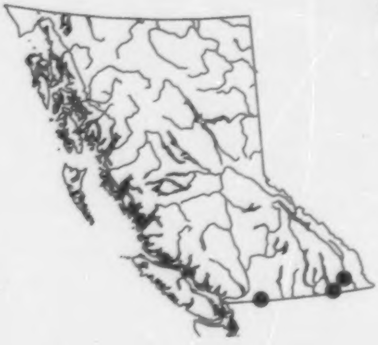
Lunaria annua



Lupinus arboreus



Lupinus arbustus
ssp. *neolaxiflorus*



Lupinus arbustus
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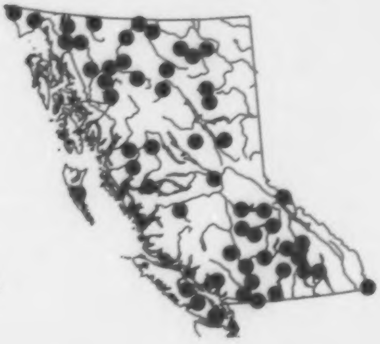
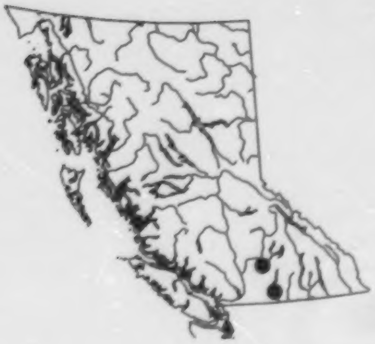
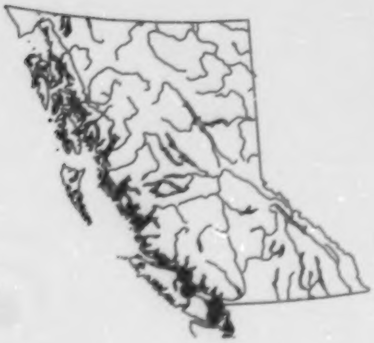


Lupinus arcticus sensu lato



Lupinus argenteus
var. *laxiflorus*



Lupinus bicolor
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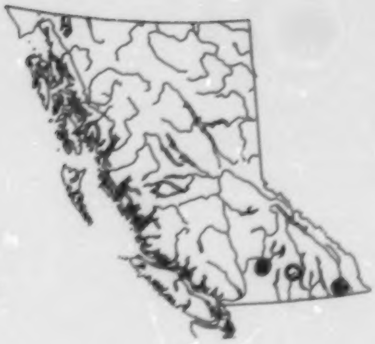

Lupinus bingenensis
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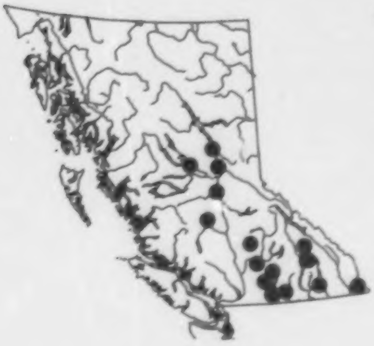

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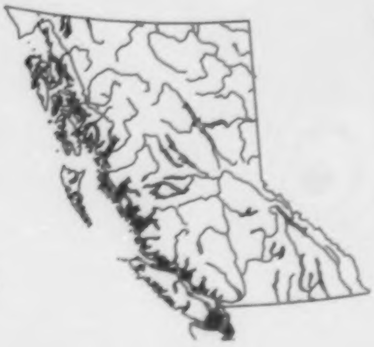
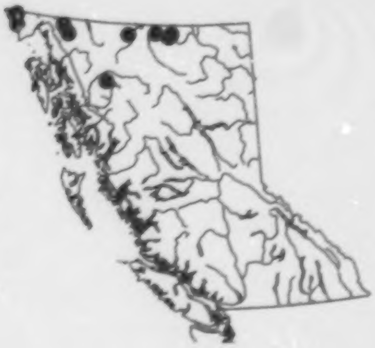
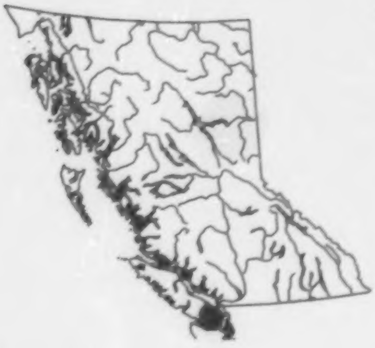


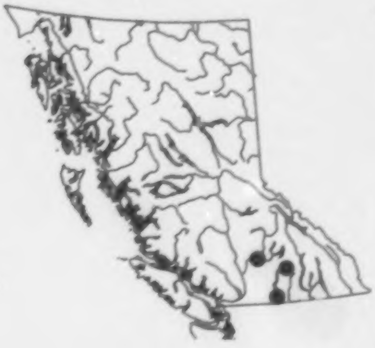
Lupinus densiflorus
var. *densiflorus*



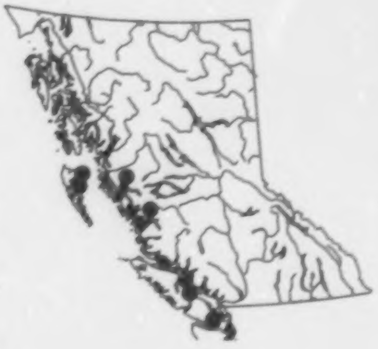
Lupinus kuschei



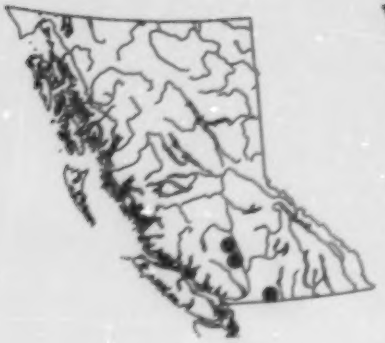
Lupinus lepidus



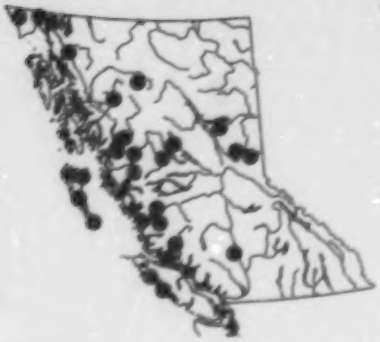
Lupinus leucophyllus



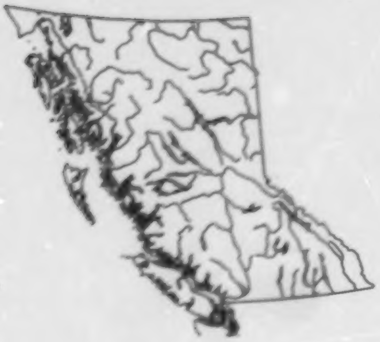
Lupinus littoralis



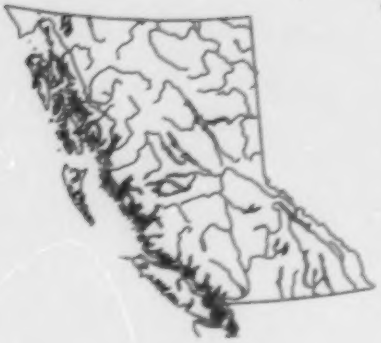
Lupinus lyallii



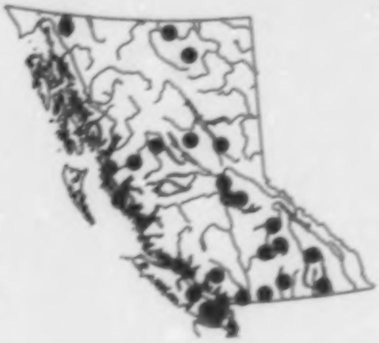
***Lupinus nootkatensis* sensu lato**



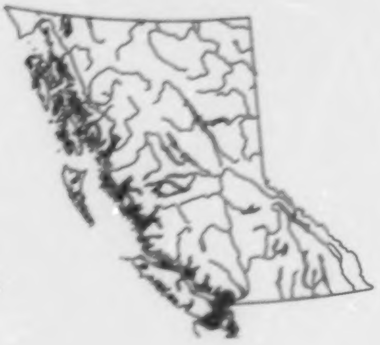
Lupinus oreganus* var. *kincaidii



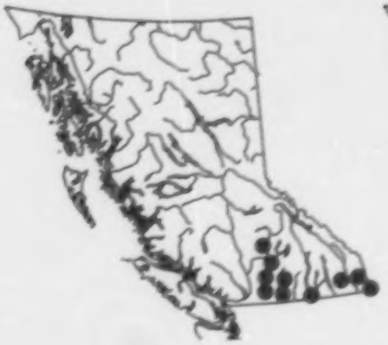
Lupinus polycarpus



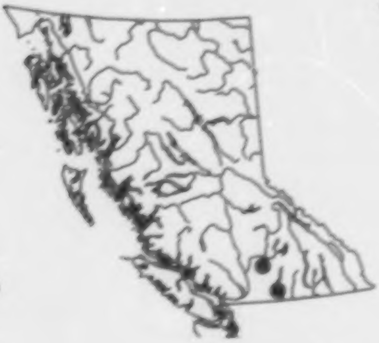
Lupinus polyphyllus* ssp. *polyphyllus



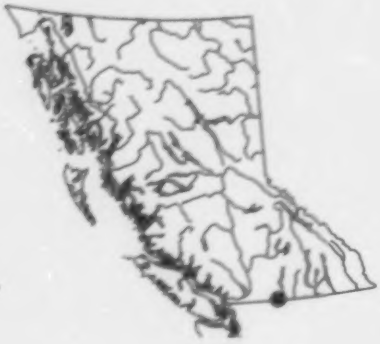
Lupinus rivularis



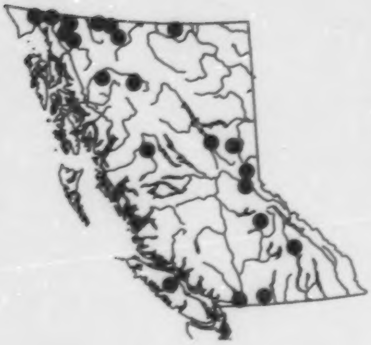
Lupinus sericeus



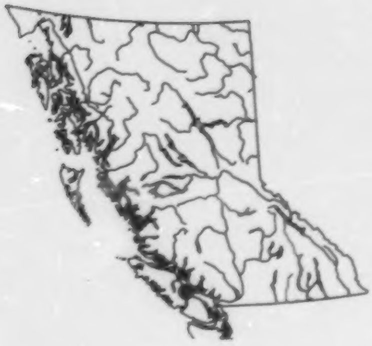
Lupinus sulphureus



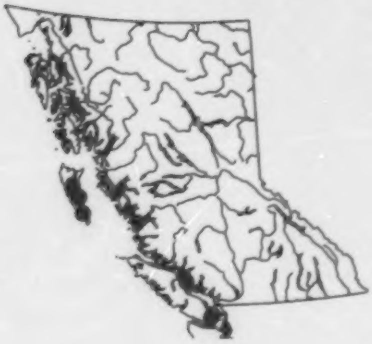
Lupinus wyethii



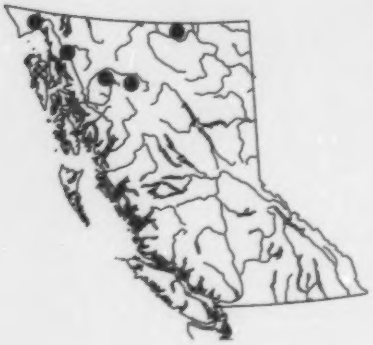
Luzula arcuata
ssp. *unalaschcensis*



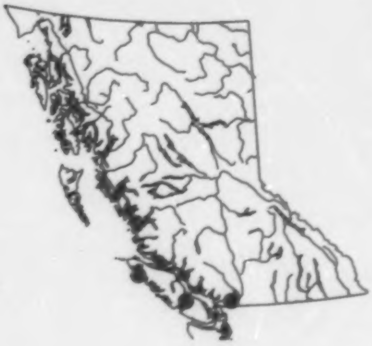
Luzula campestris



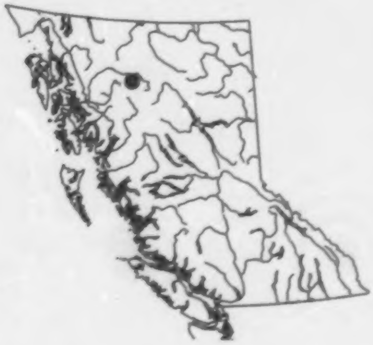
Luzula comosa sensu lato



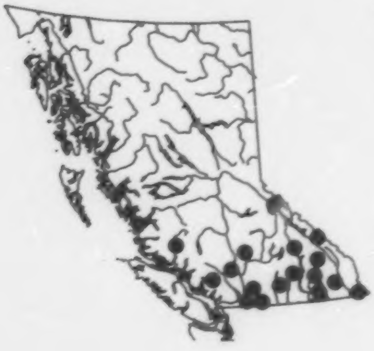
Luzula confusa



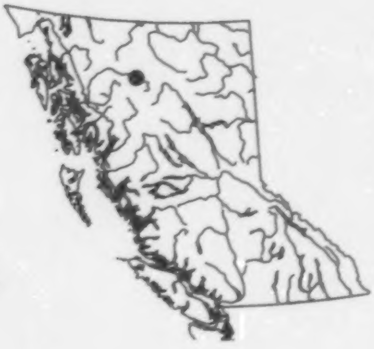
Luzula fastigiata



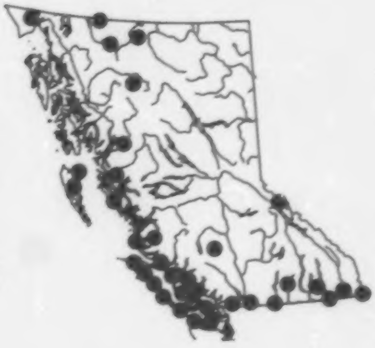
Luzula groenlandica



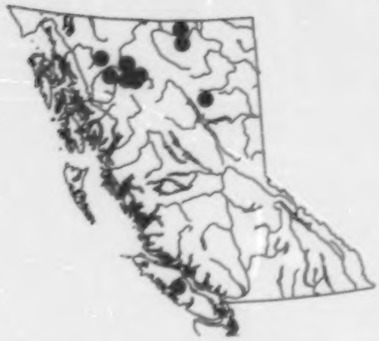
Luzula hitchcockii



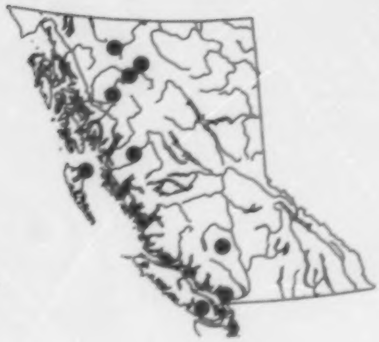
Luzula kjellmaniana



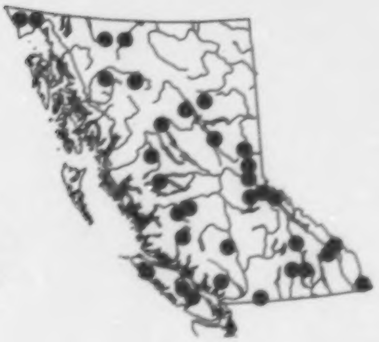
Luzula multiflora
sensu lato



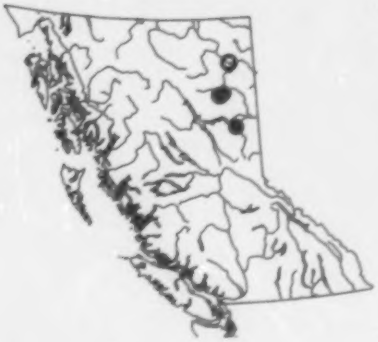
Luzula nivalis



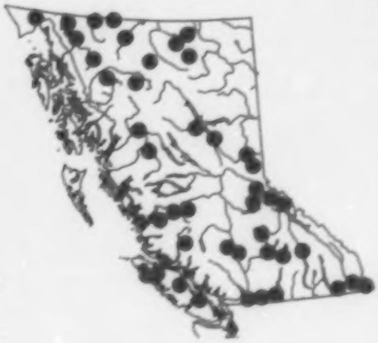
Luzula parviflora



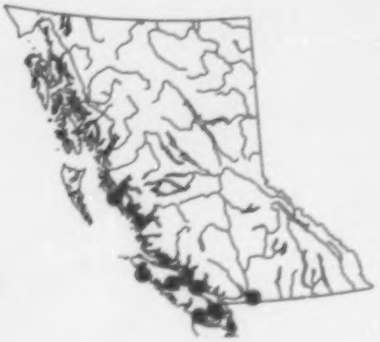
Luzula piperi



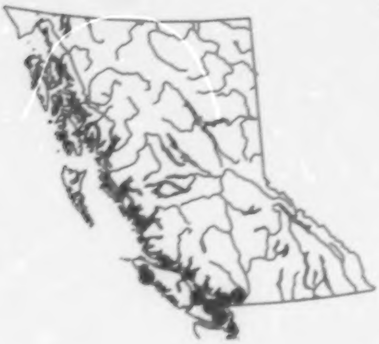
Luzula rufescens



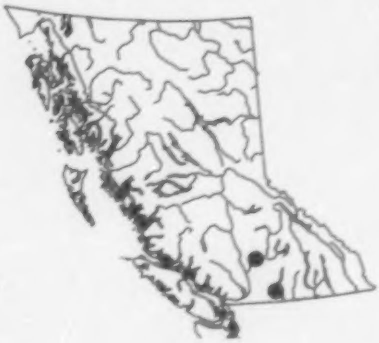
Luzula spicata



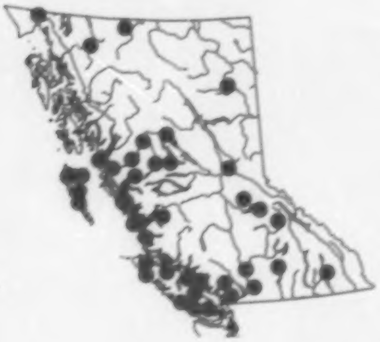
Luzula subsessilis



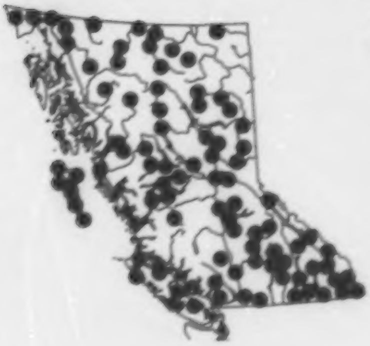
Lychnis coronaria



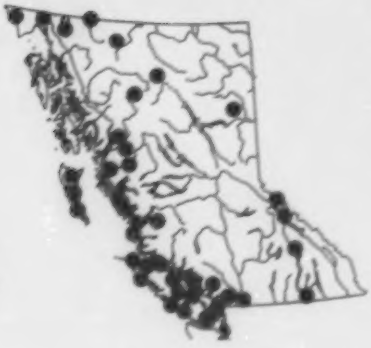
Lycium barbarum



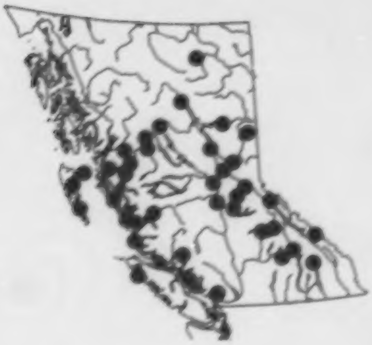
Lycopodiella inundata



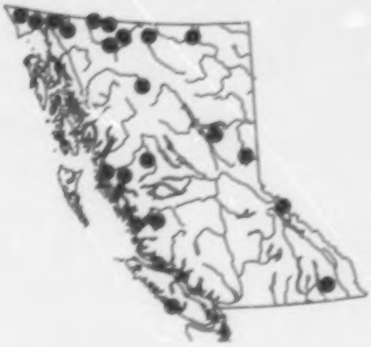
Lycopodium annotinum



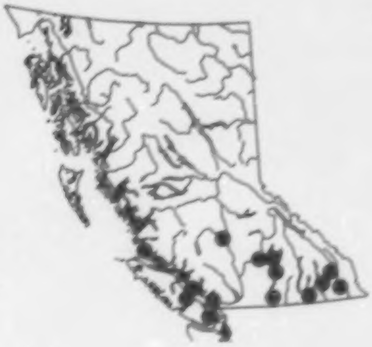
Lycopodium clavatum sensu lato



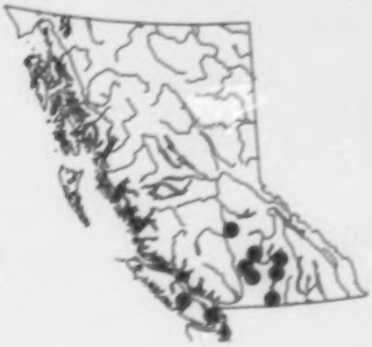
Lycopodium dendroideum



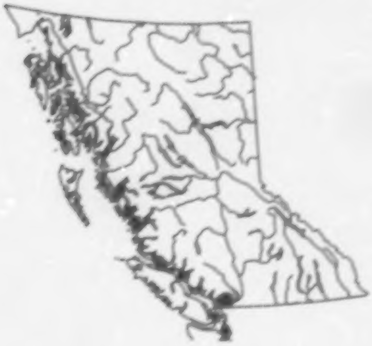
Lycopodium lagopus



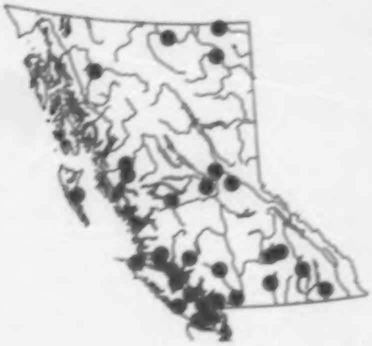
Lycopus americanus



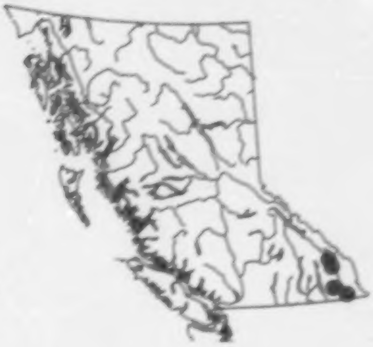
Lycopus asper



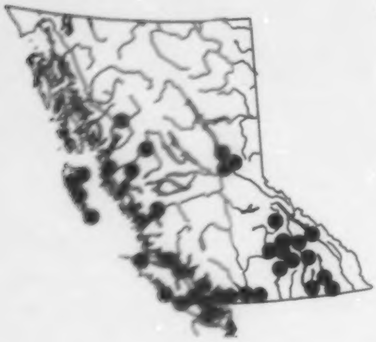
Lycopus europaeus



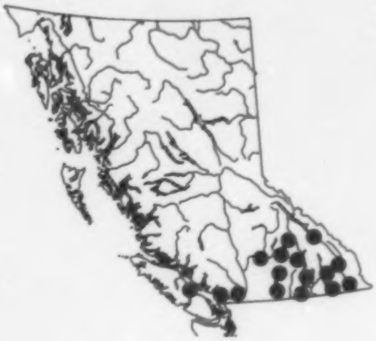
Lycopus uniflorus



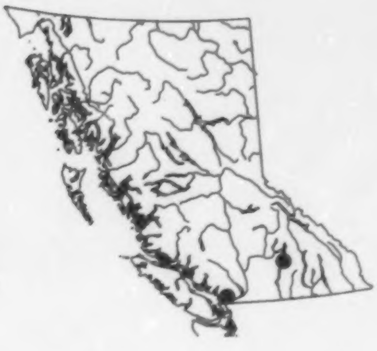
Lygodesmia juncea



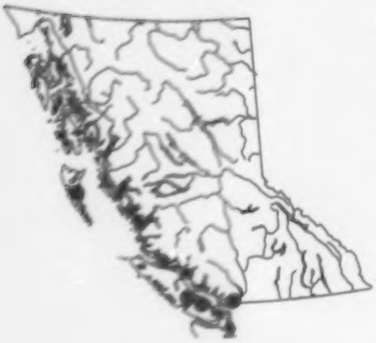
Lysichiton americanus



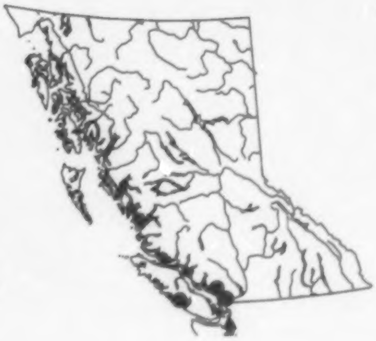
Lysimachia ciliata



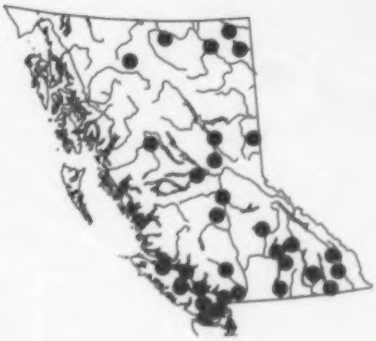
Lysimachia nummularia



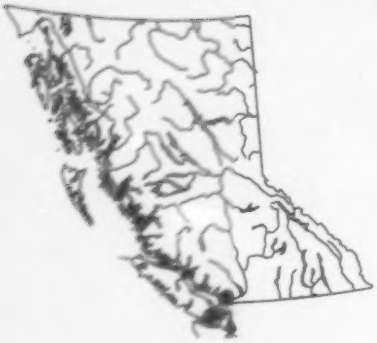
Lysimachia punctata



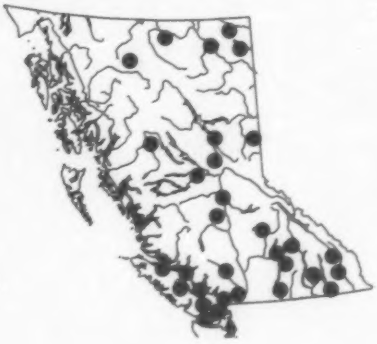
Lysimachia terrestris



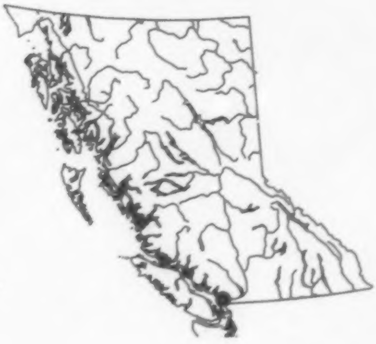
Lysimachia thyrsiflora



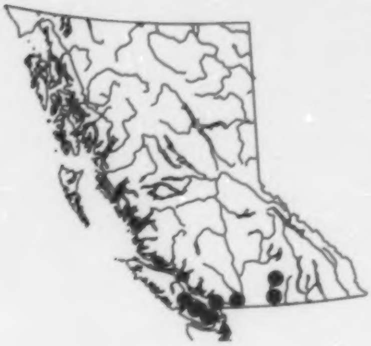
Lysimachia vulgaris



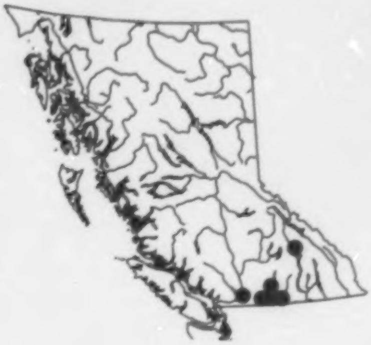
Lythrum hyssopifolia



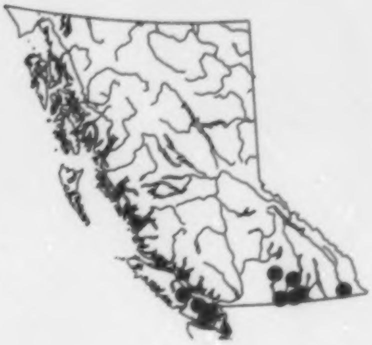
Lythrum portula



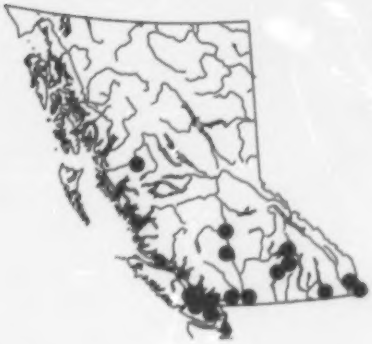
Lythrum salicaria



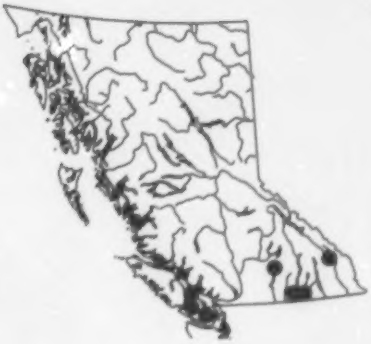
Machaeranthera canescens



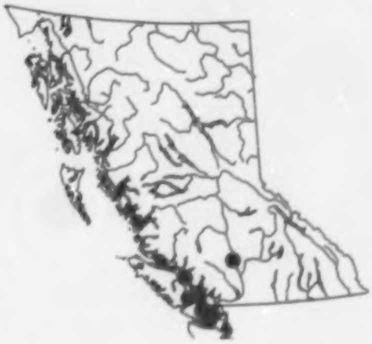
Madia exigua



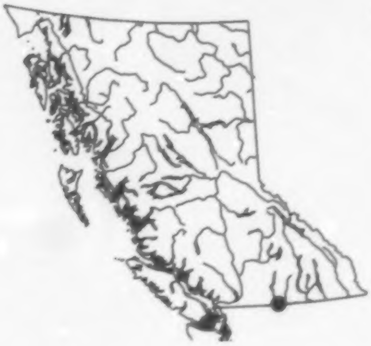
Madia glomerata



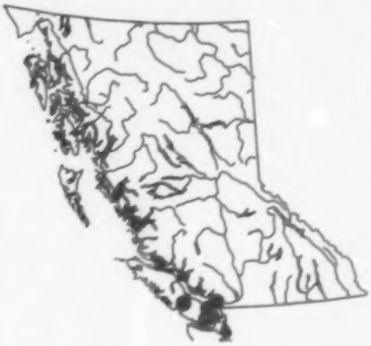
Madia gracilis



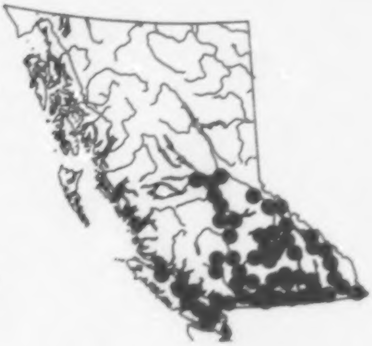
Madia madioides



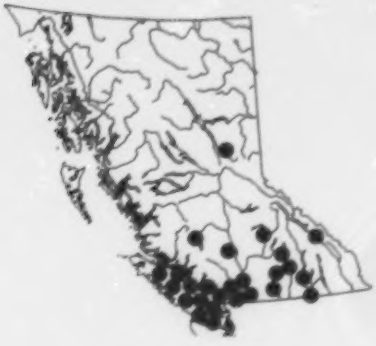
Madia minima



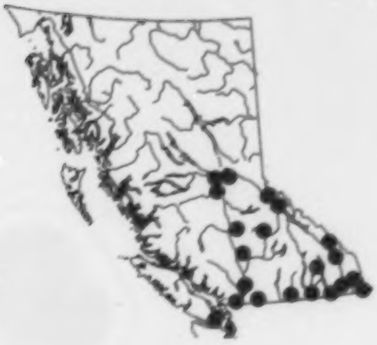
Madia sativa



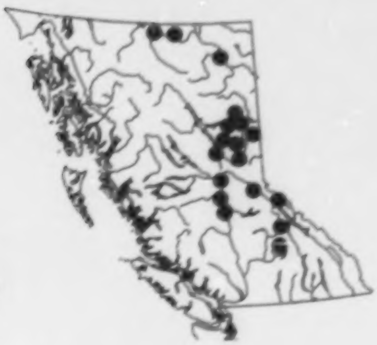
Mahonia aquifolium



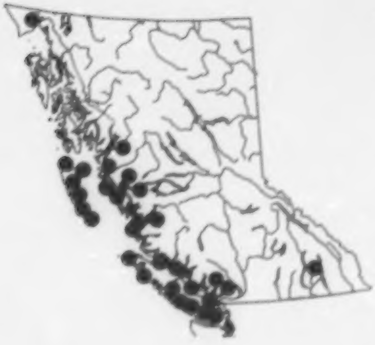
Mahonia nervosa



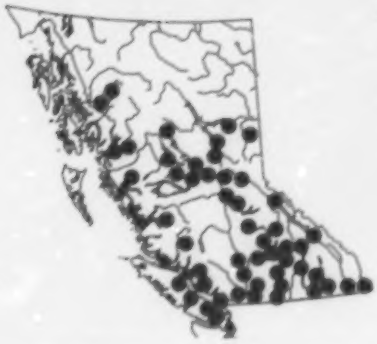
Mahonia repens



Maianthemum canadense



Maianthemum dilatatum



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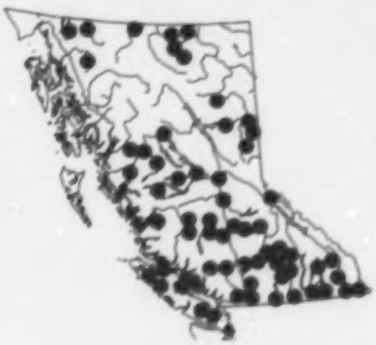
ssp. amplexicaule



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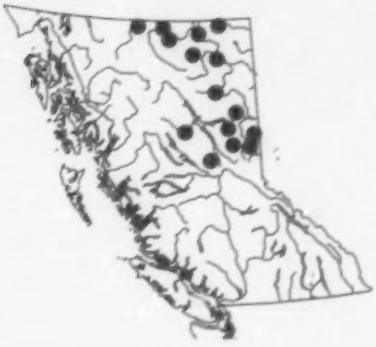

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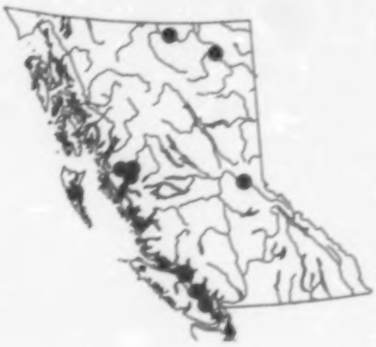
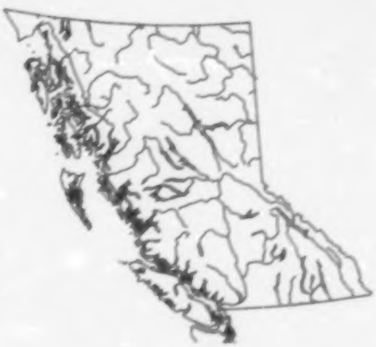
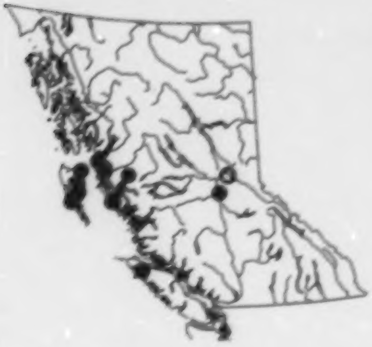


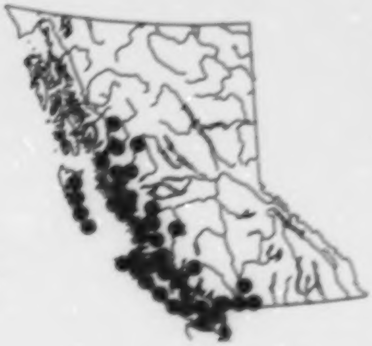
Malaxis brachypoda



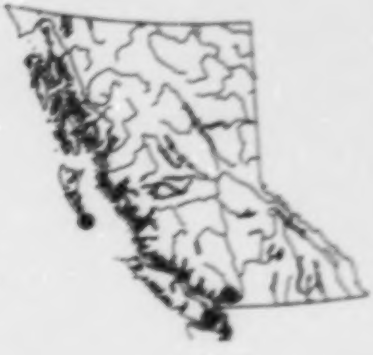
Malaxis diphyllos



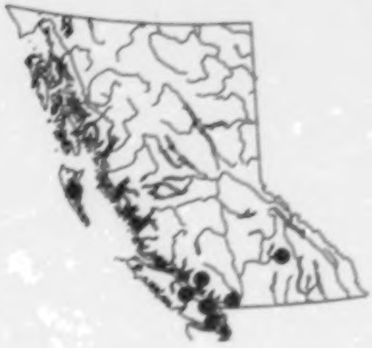
Malaxis paludosa



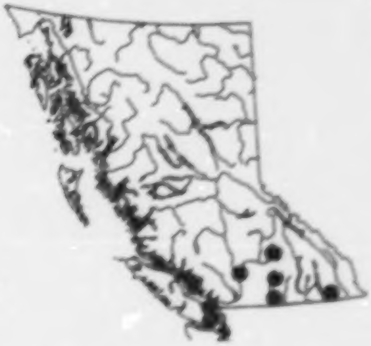
Malus fusca



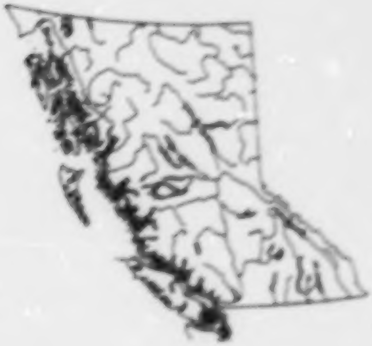
Malus pumila



Malva moschata



Malva neglecta



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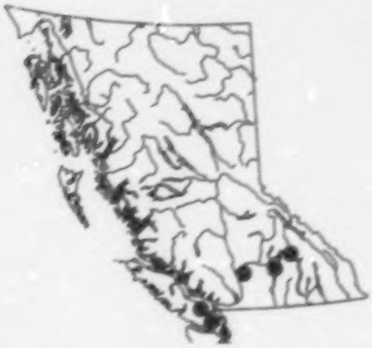

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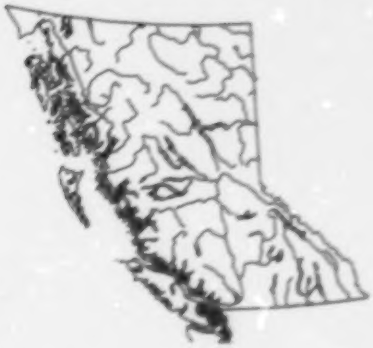
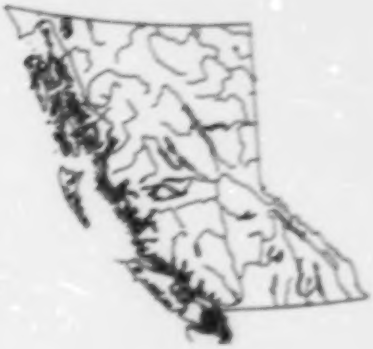
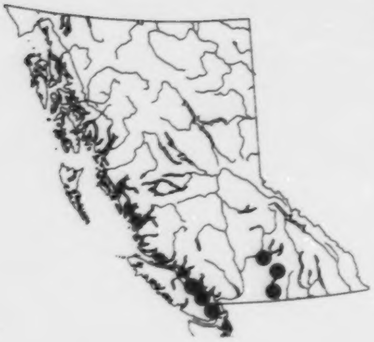


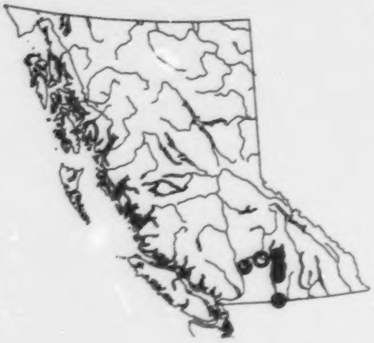
Malva sylvestris



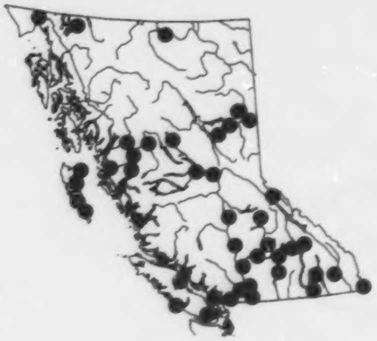
Marah oreganus



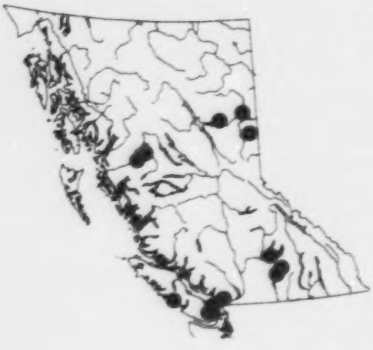
Marrubium vulgare



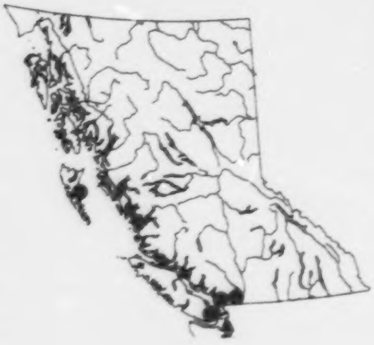
Marsilea vestita



Matricaria discoidea



Matricaria perforata



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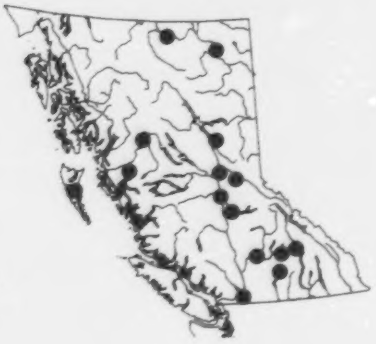
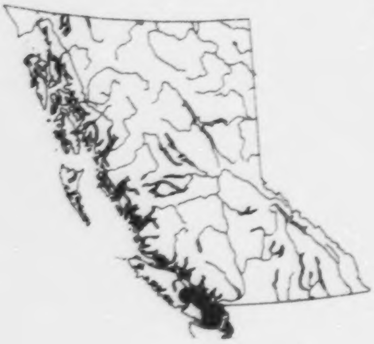
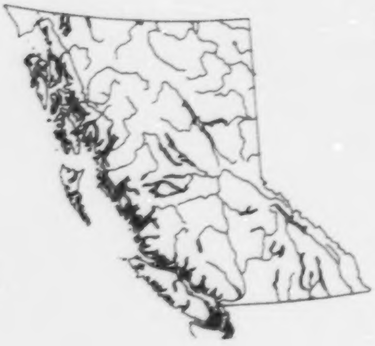


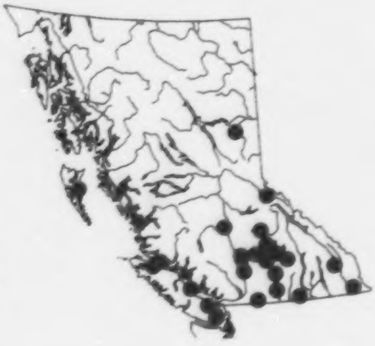
Matteuccia struthiopteris



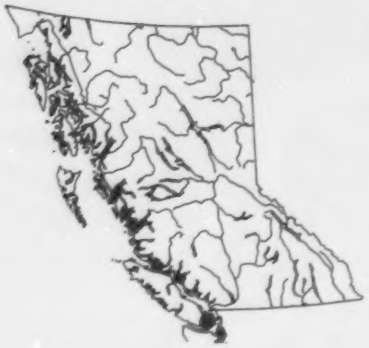
Meconella oregana



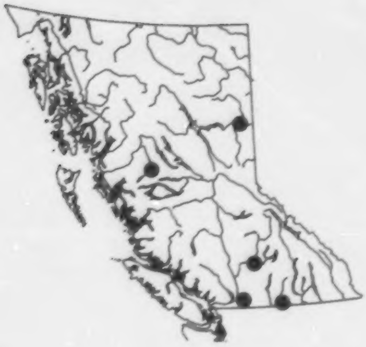
Medicago arabica



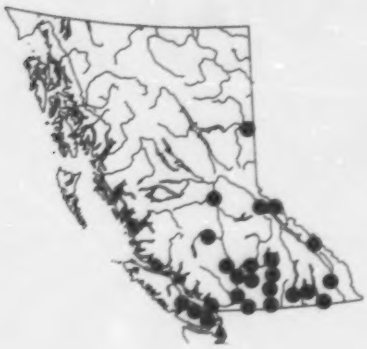
Medicago lupulina



Medicago polymorpha



Medicago sativa
ssp. *falcata*



Medicago sativa
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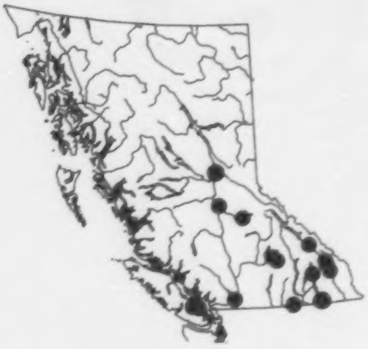
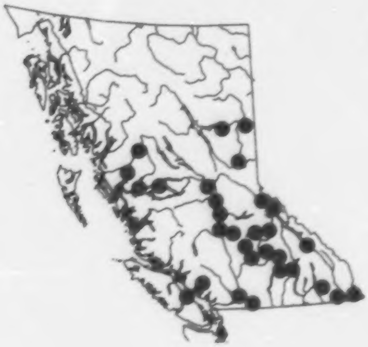
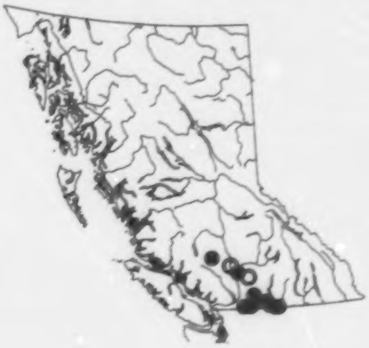


Megalodonta beckii
var. *beckii*



Melampyrum lineare
var. *lineare*



Melica bulbosa
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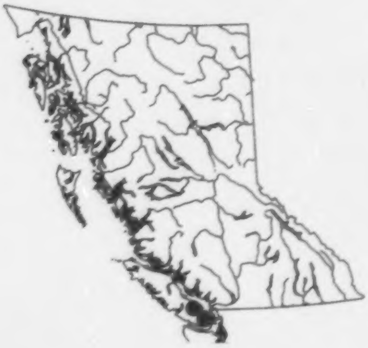
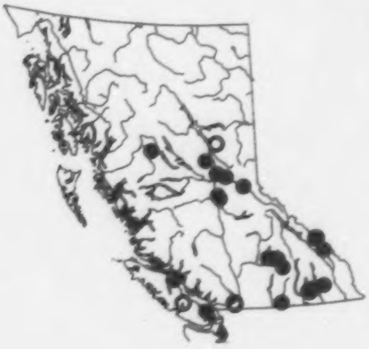
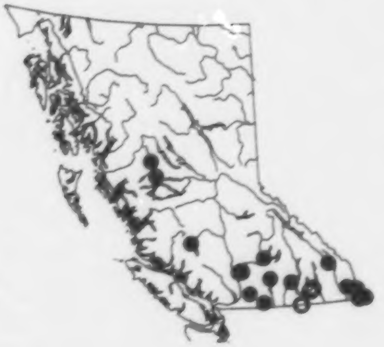


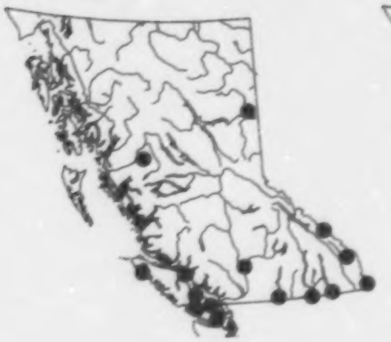
Melica harfordii



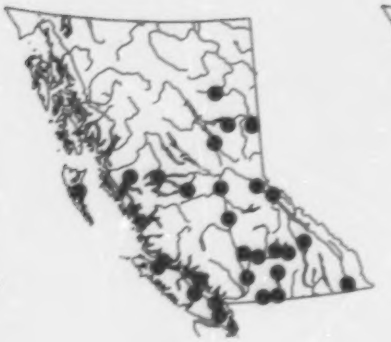
Melica smithii



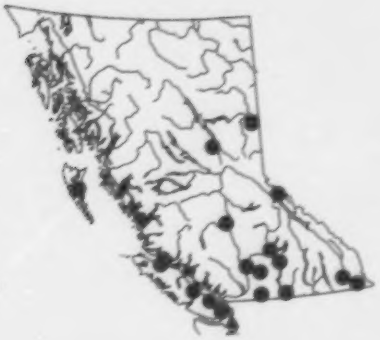
Melica spectabilis



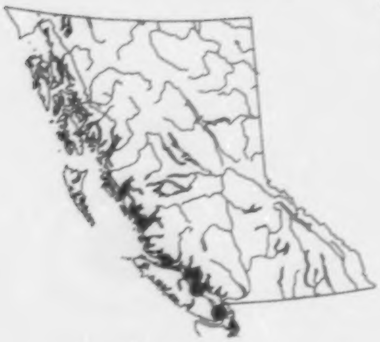
Melica subulata



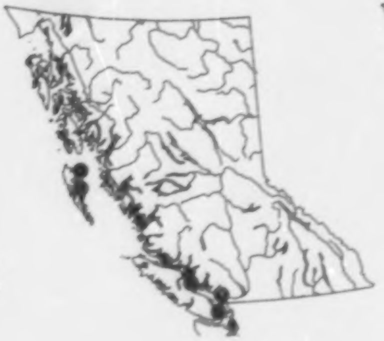
Melilotus alba



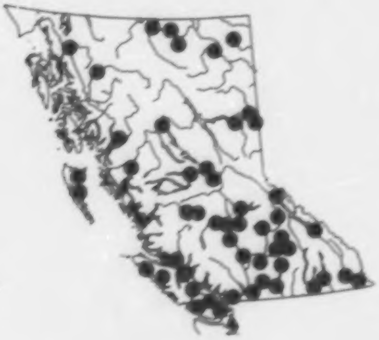
Melilotus officinalis



Melissa officinalis



Mentha aquatica



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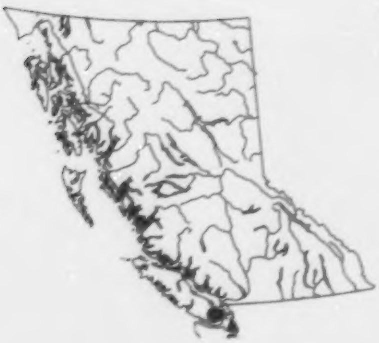

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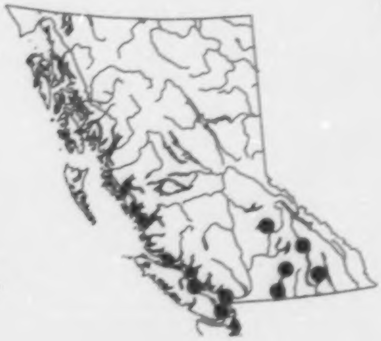
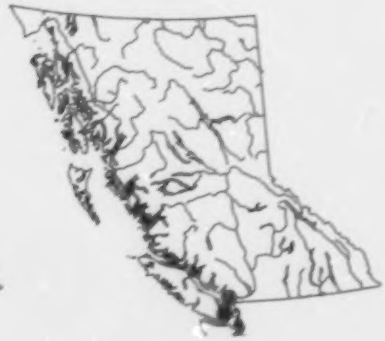
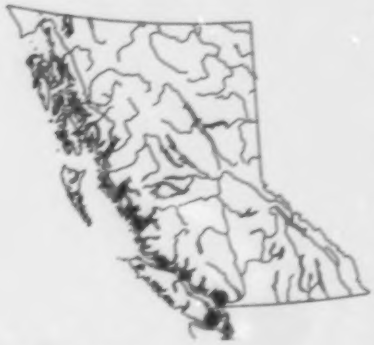


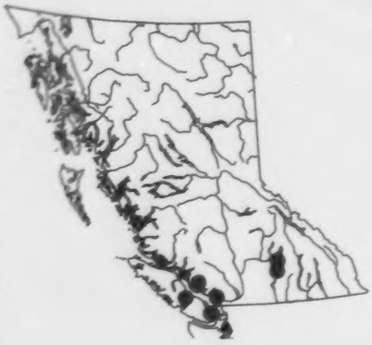
Mentha spicata



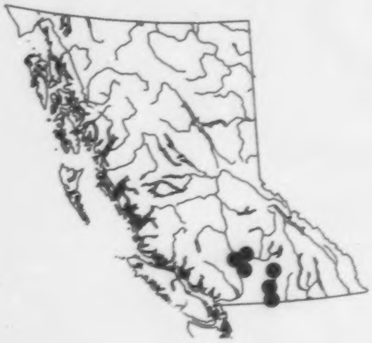
Mentha suaveolens



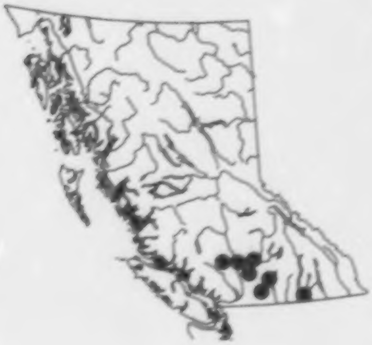
Mentha x gracilis



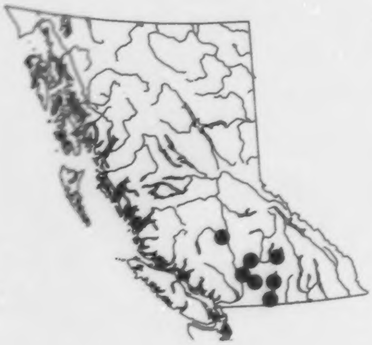
Mentha x piperita



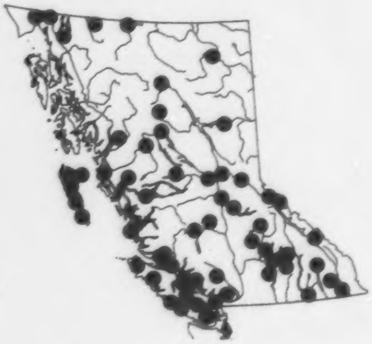
Mentzelia albicaulis



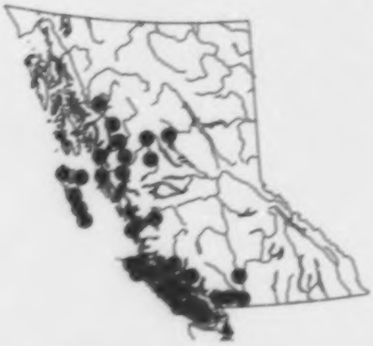
Mentzelia dispersa



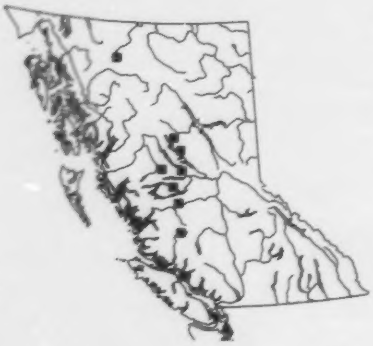
Mentzelia laevicaulis
sensu lato



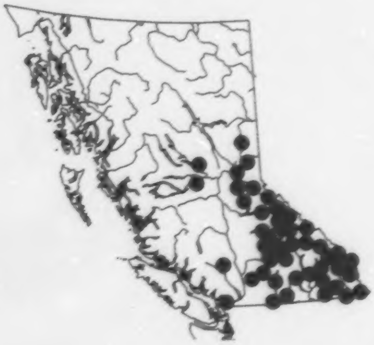
Menyanthes trifoliata



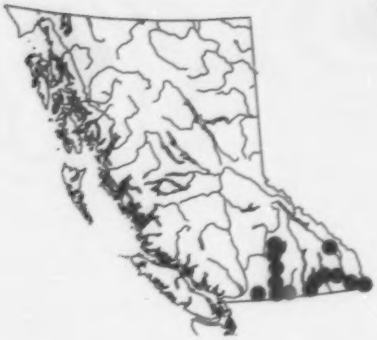
Menziesia ferruginea
ssp. *ferruginea*



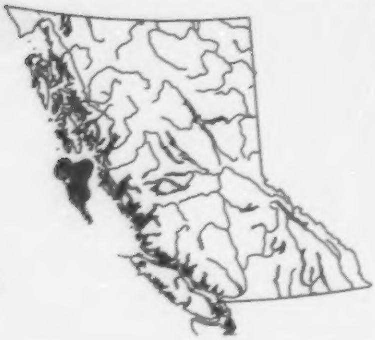
Menziesia ferruginea
ssp. *ferruginea* x ssp. *glabella*



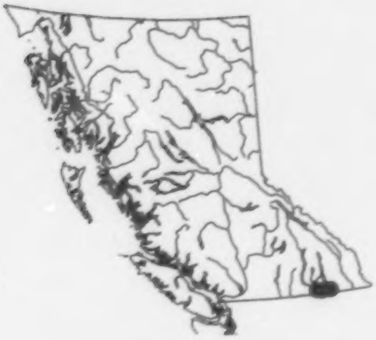
Menziesia ferruginea
ssp. *glabella*



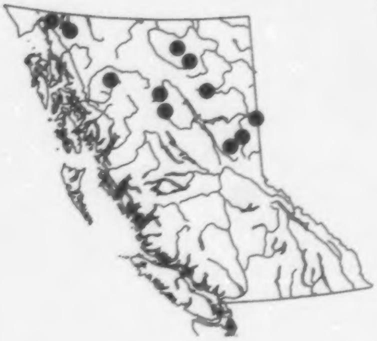
Mertensia longiflora



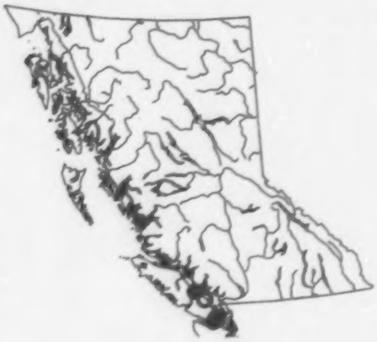
Mertensia maritima



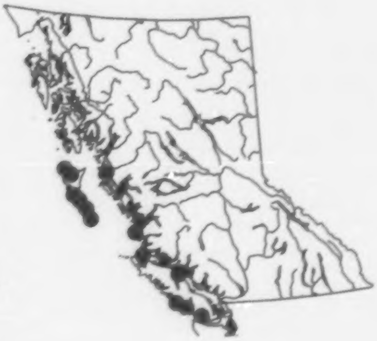
Mertensia paniculata
var. *borealis*



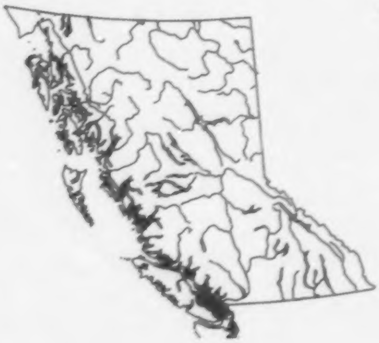
Mertensia paniculata
var. *paniculata*



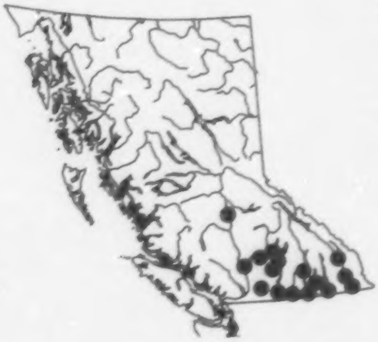
Microseris bigelovii



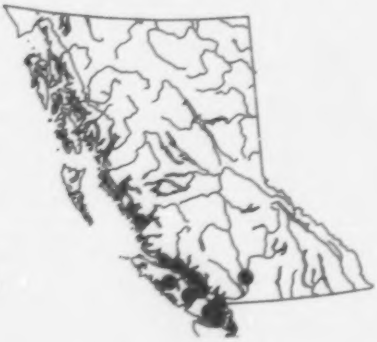
Microseris borealis



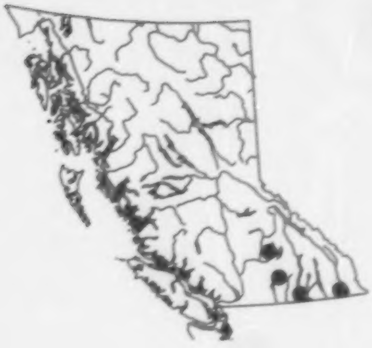
Microseris lindleyi



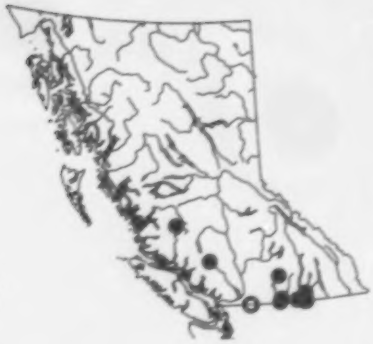
Microseris nutans
ssp. *nutans*



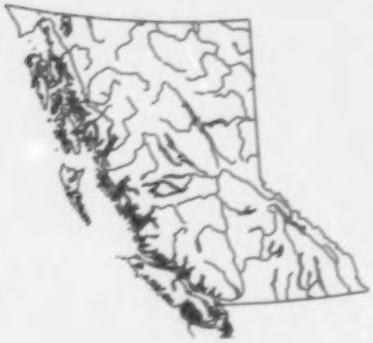
Mimulus alsinoides



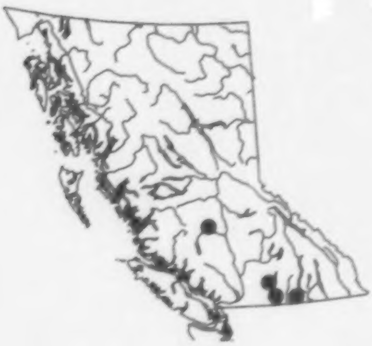
Mimulus breviflorus



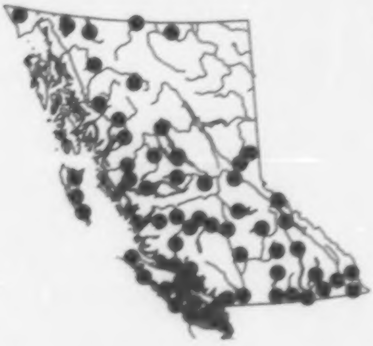
Mimulus breweri



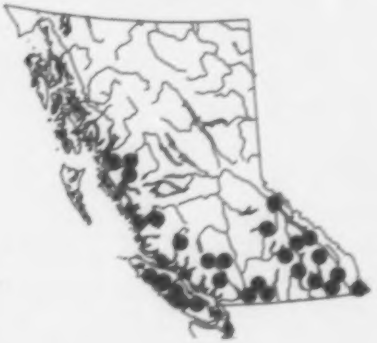
Mimulus dentatus



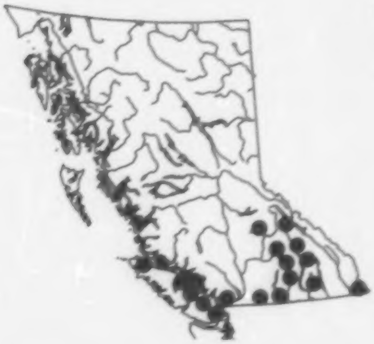
Mimulus floribundus



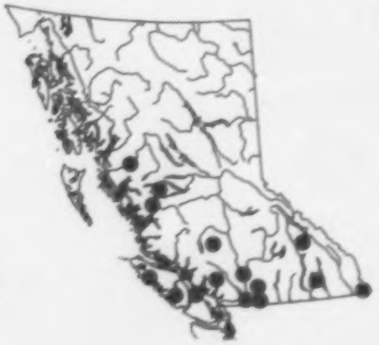
Mimulus guttatus



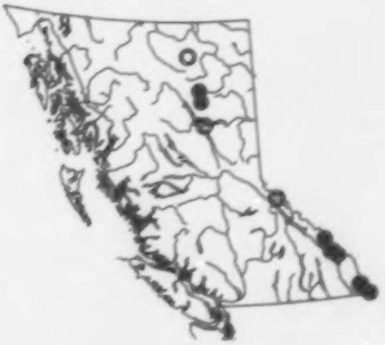
Mimulus lewisii



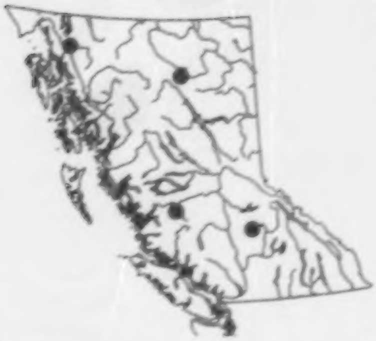
Mimulus moschatus



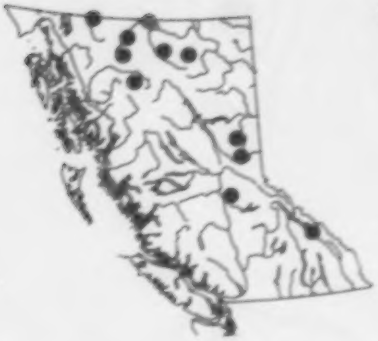
Mimulus tilingii sensu lato



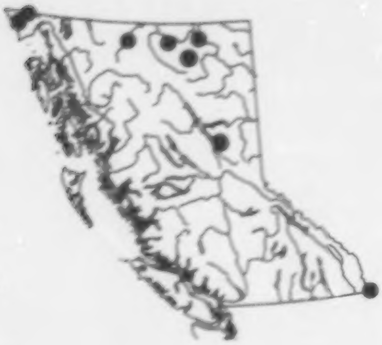
Minuartia austromontana



Minuartia biflora



Minuartia dawsonensis



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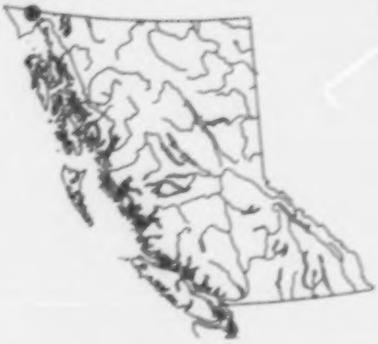

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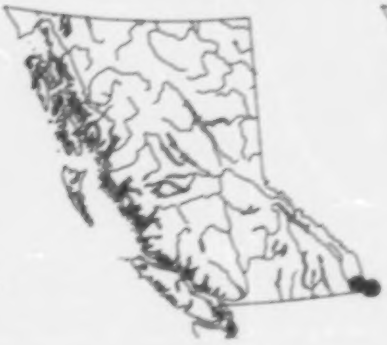

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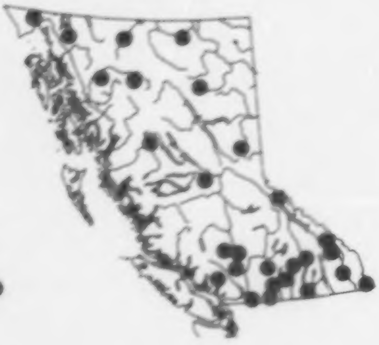

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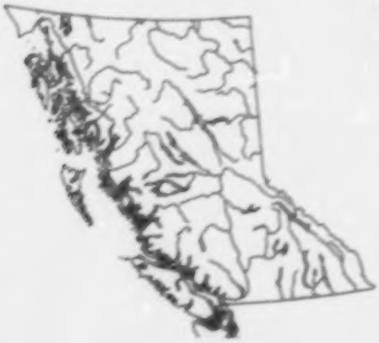

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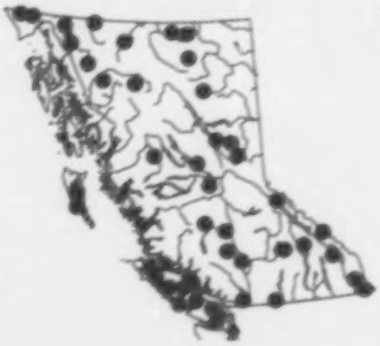
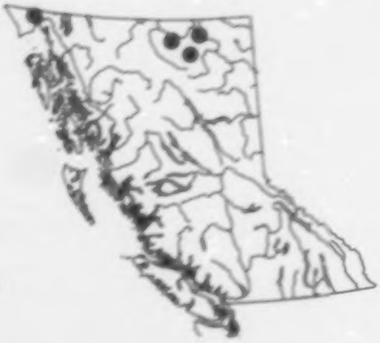
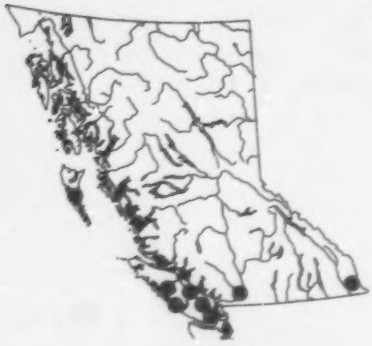


Minuartia rubella



Minuartia stricta



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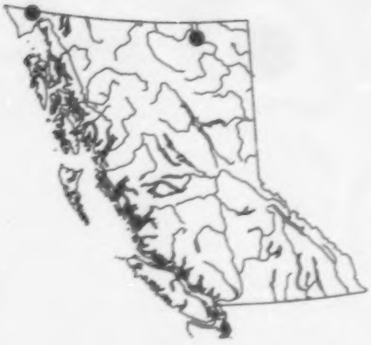

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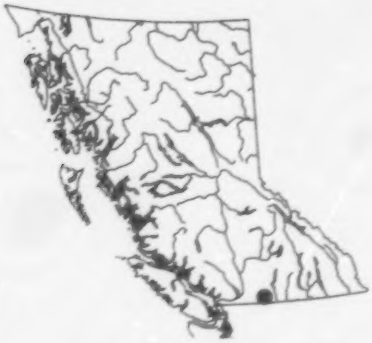
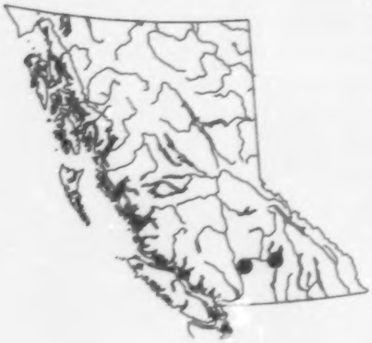


Mirabilis hirsuta



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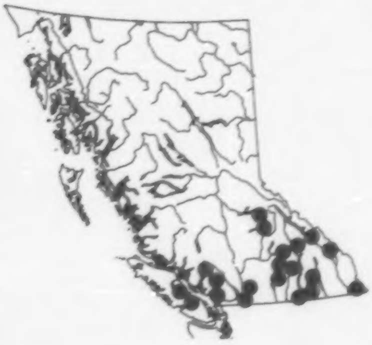
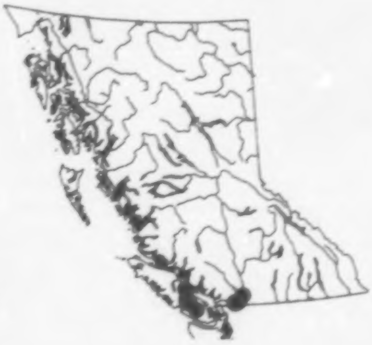


Mitella breweri



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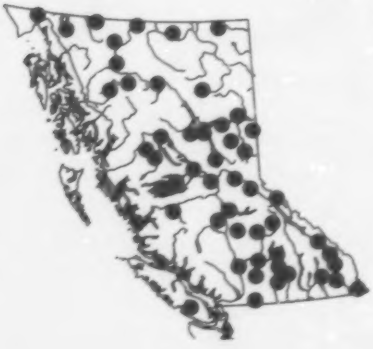

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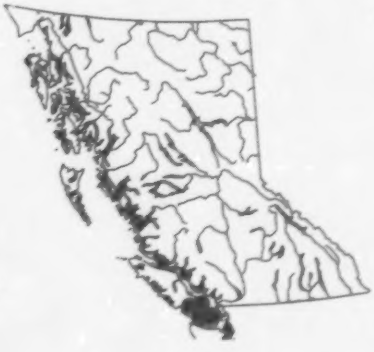

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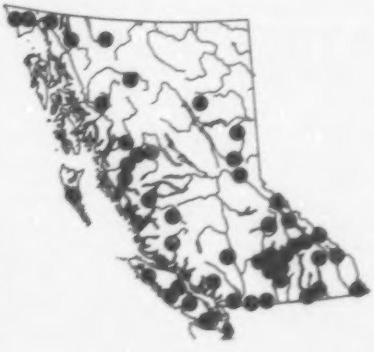
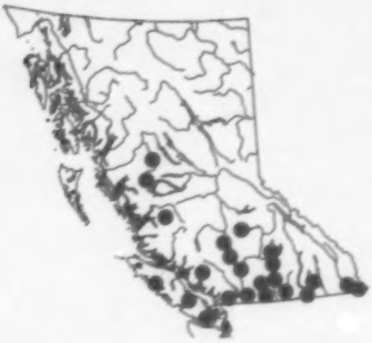
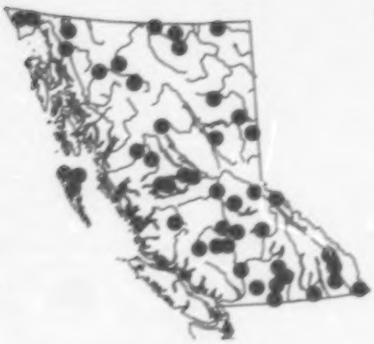


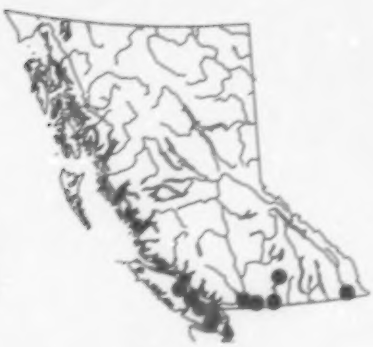
Mitella pentandra



Mitella trifida



Moehringia lateriflora



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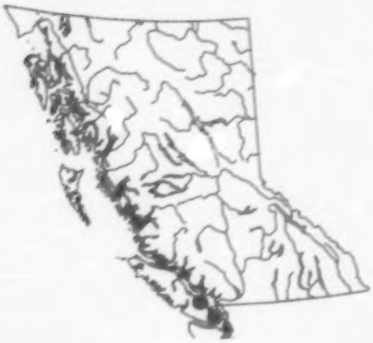
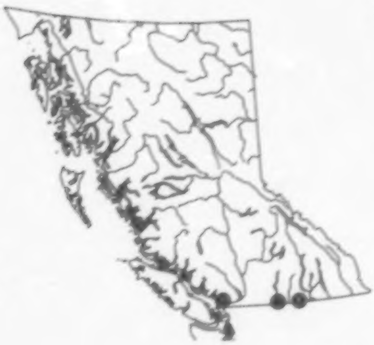
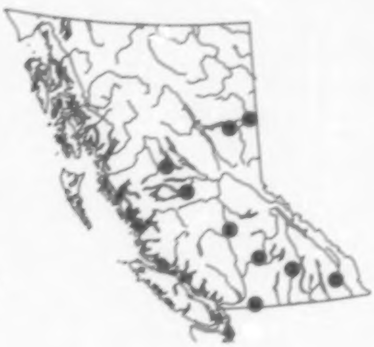


Moenchia erecta var. *erecta*



Mollugo verticillata



Monarda fistulosa
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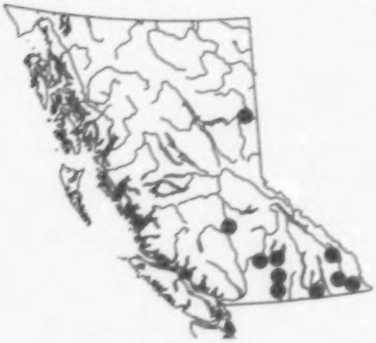

Monarda fistulosa
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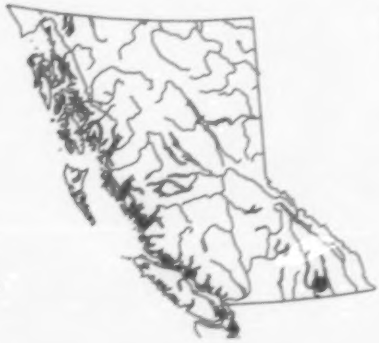

Monardella odoratissima
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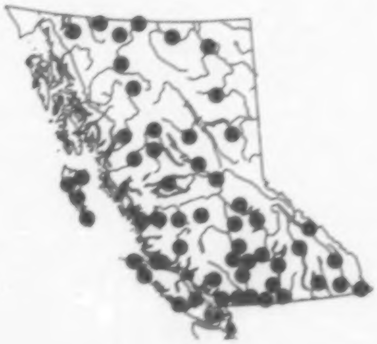
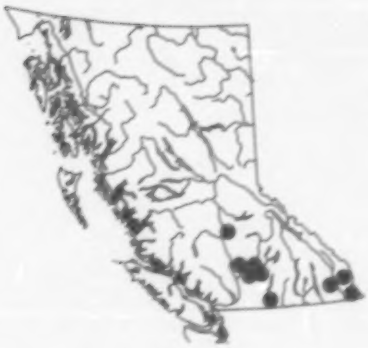
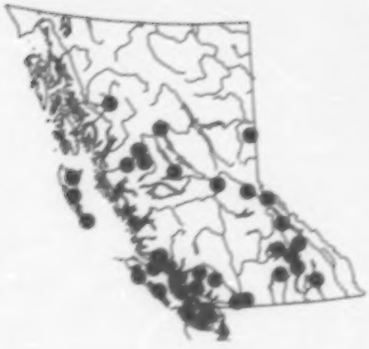


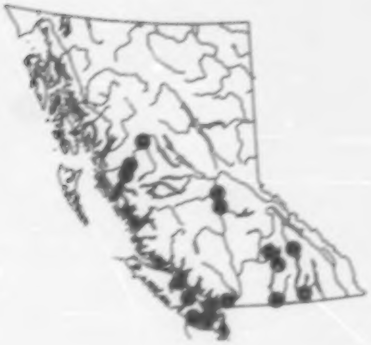
Moneses uniflora



Monolepis nuttalliana



Monotropa hypopithys



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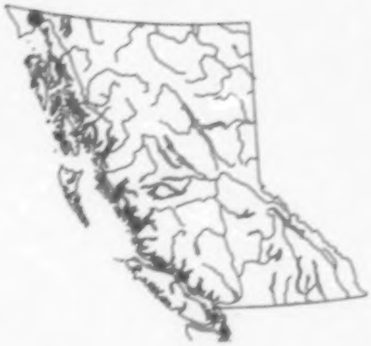
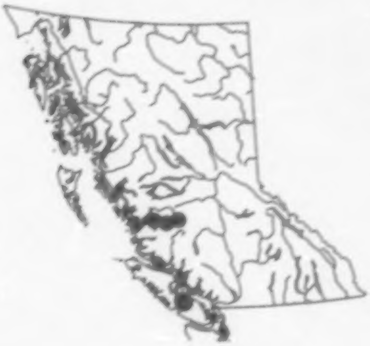
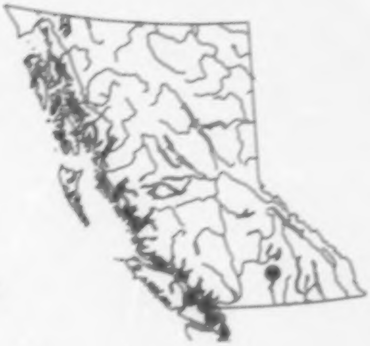


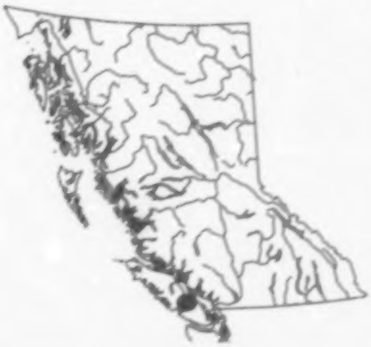
Montia bostockii



Montia chamissoi



Montia dichotoma



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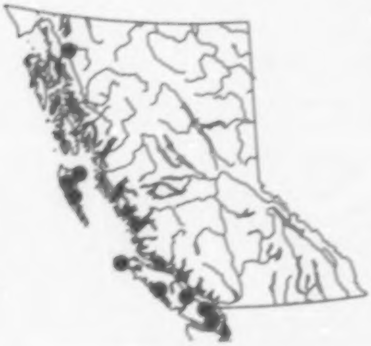
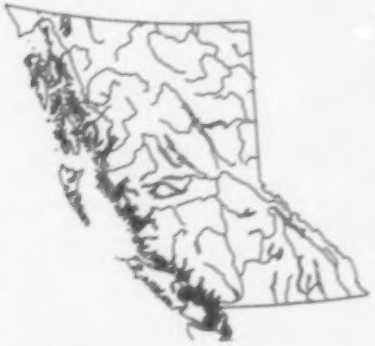
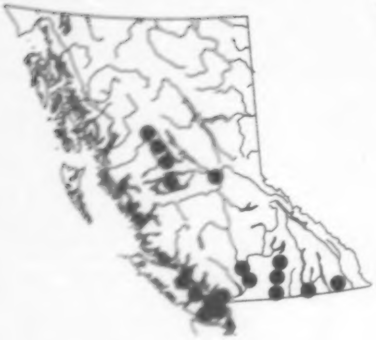


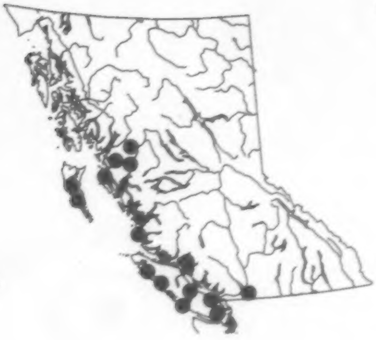
Montia fontana



Montia howellii



Montia linearis



Montia parvifolia
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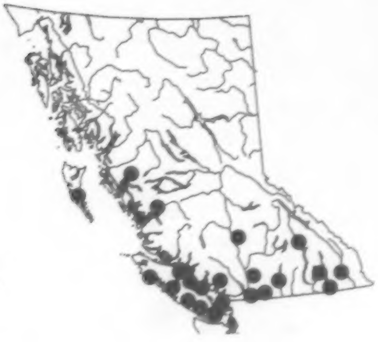

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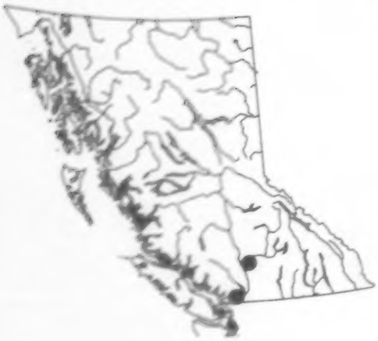
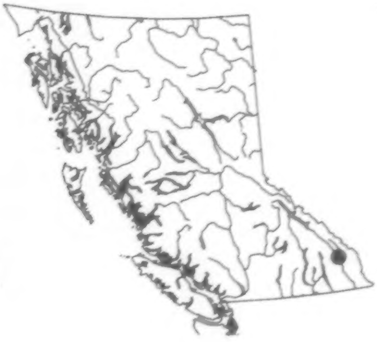
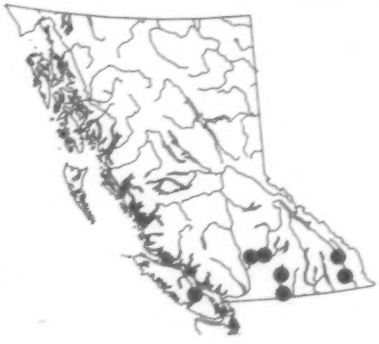


Morus alba



Muhlenbergia andina



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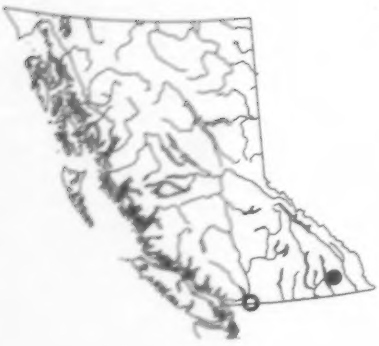

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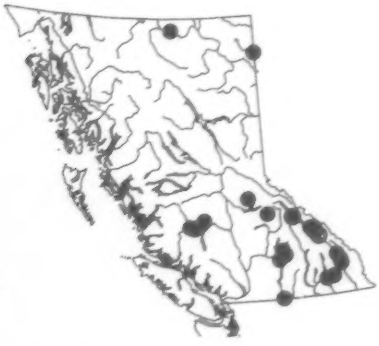

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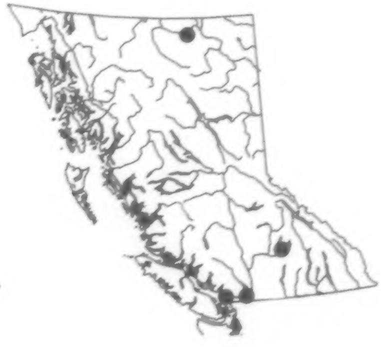

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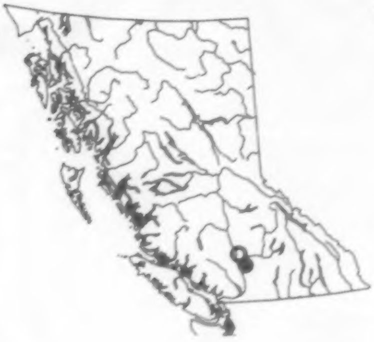

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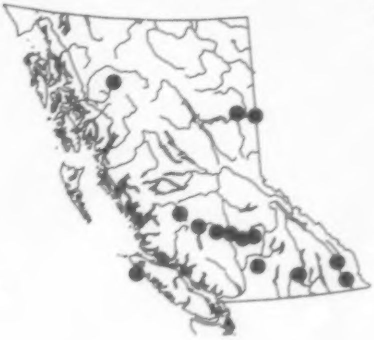

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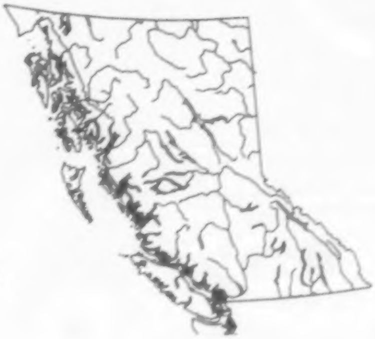
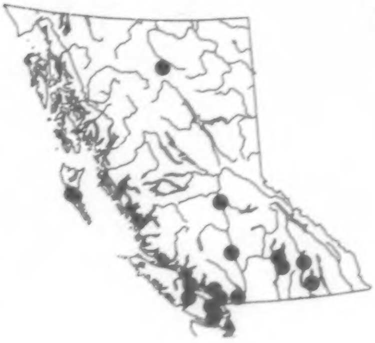
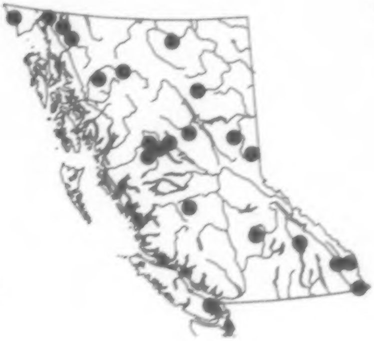


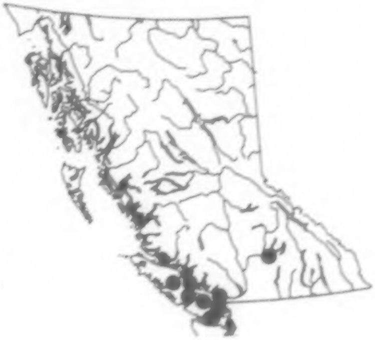
Muhlenbergia uniflora



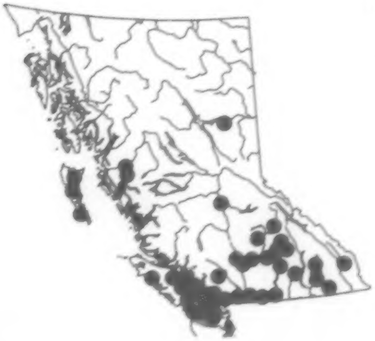
Myosotis arvensis



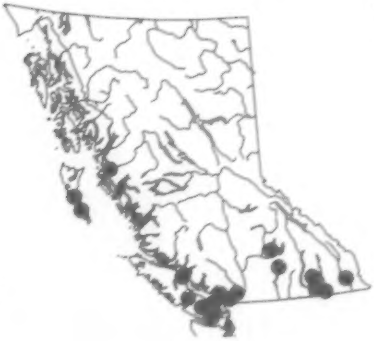
Myosotis asiatica



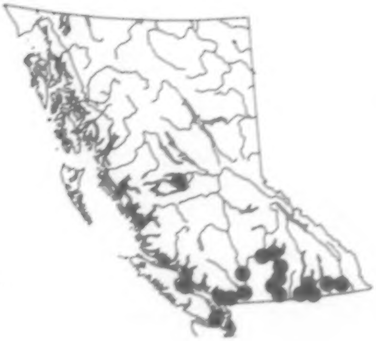
Myosotis discolor



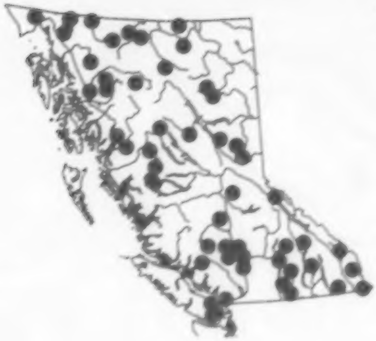
Myosotis laxa



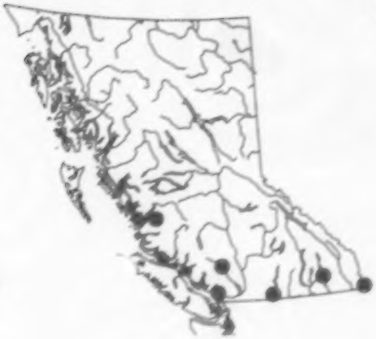
Myosotis scorpioides



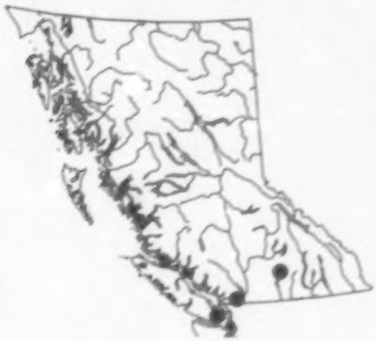
Myosotis stricta



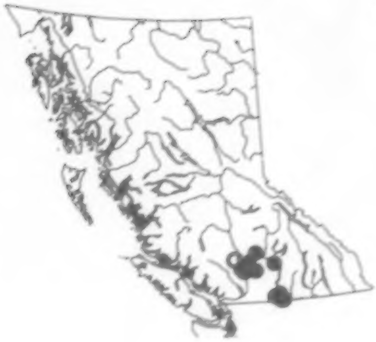
Myosotis sylvatica



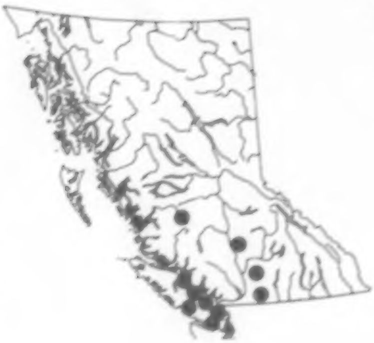
Myosotis verna



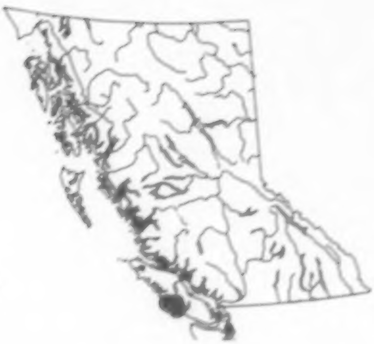
Myosoton aquaticum



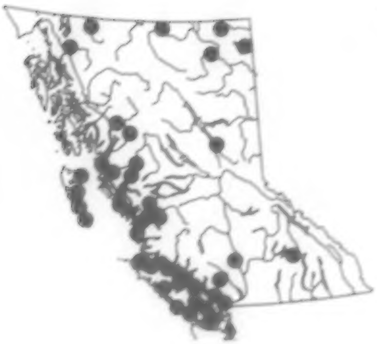
Myosurus apetalus
var. borealis



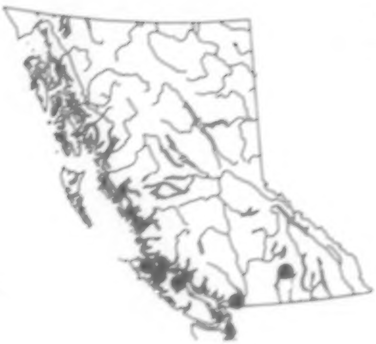
Myosurus minimus



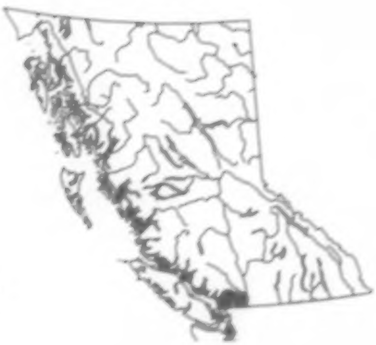
Myrica californica



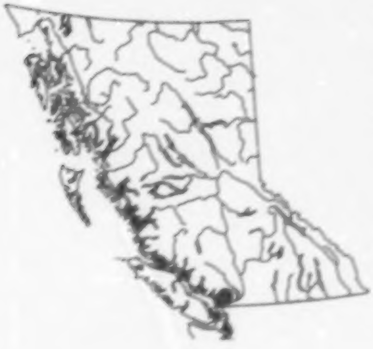
Myrica gale



Myriophyllum farwellii



Myriophyllum hippuroides



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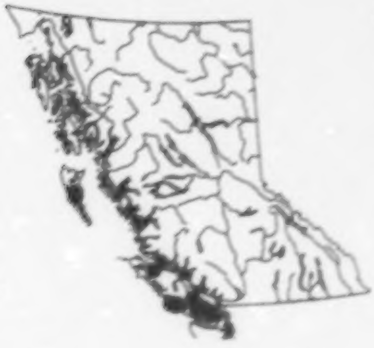
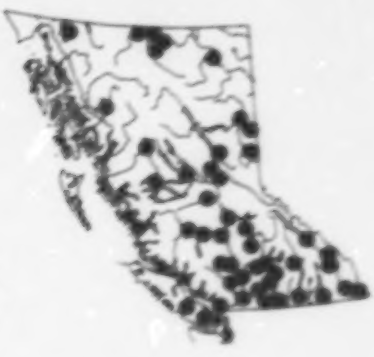


Myriophyllum quitense



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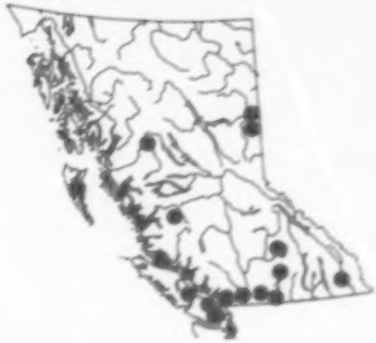

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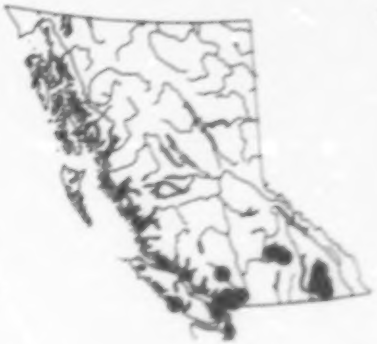
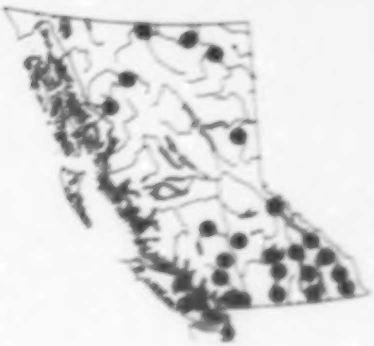
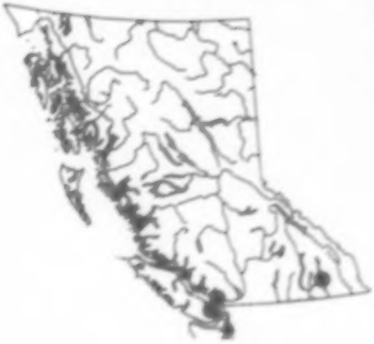


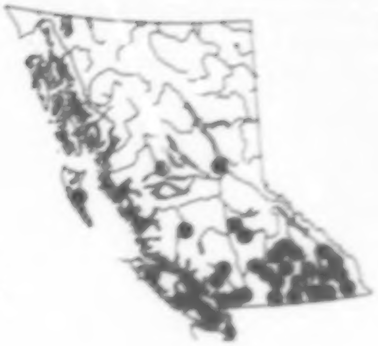
Myriophyllum ussuriense



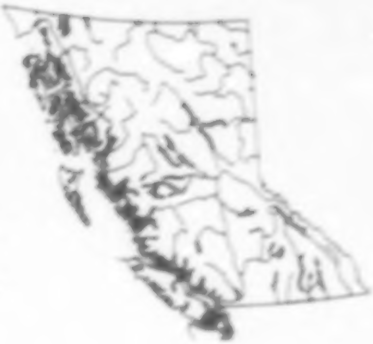
Myriophyllum verticillatum



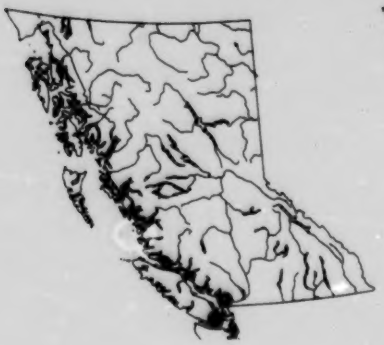
Myrrhis odorata



Najas flexilis



Narcissus poeticus



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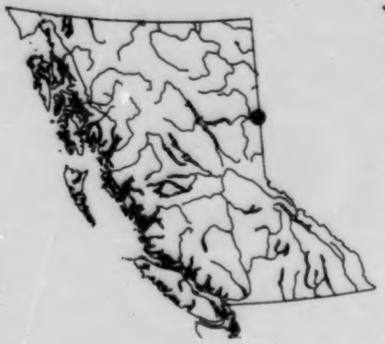
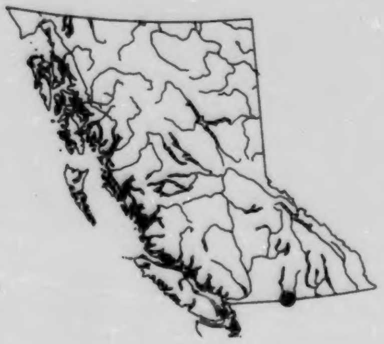
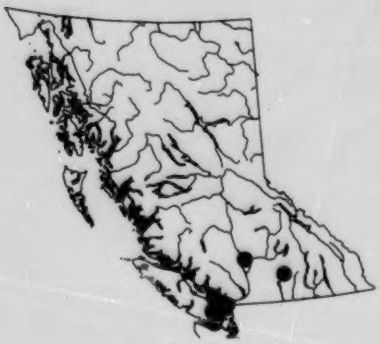


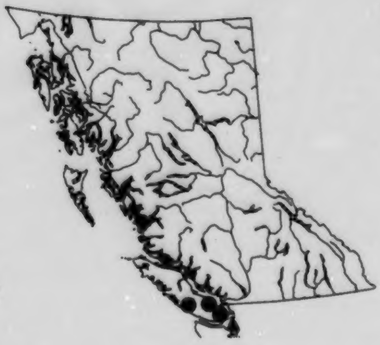
Nassella viridula



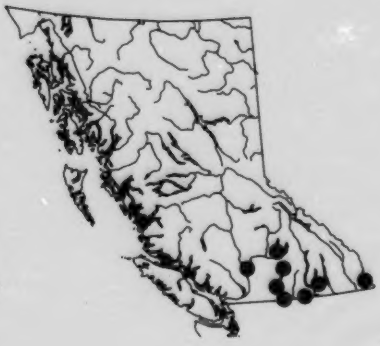
Navarretia divaricata var. *divaricata*



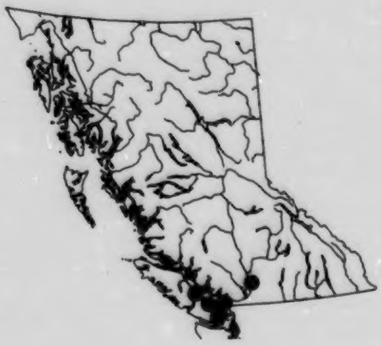
Navarretia intertexta



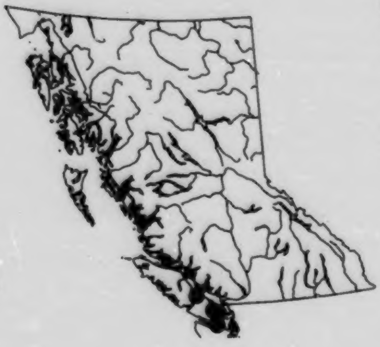
Navarretia squarrosa



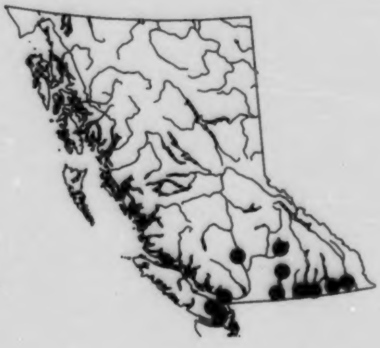
Nemophila breviflora



Nemophila parviflora var. *parviflora*

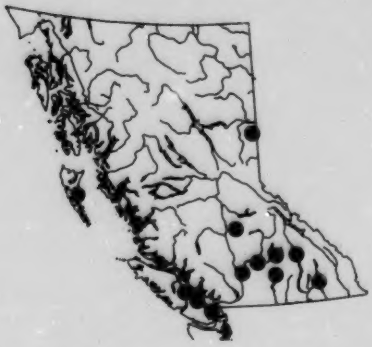


Nemophila pedunculata

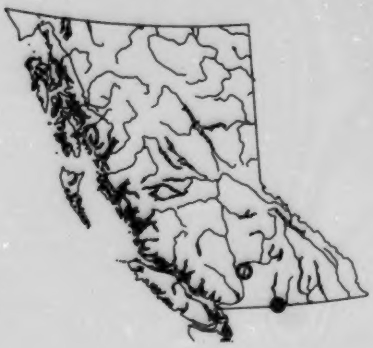


Nepeta cataria

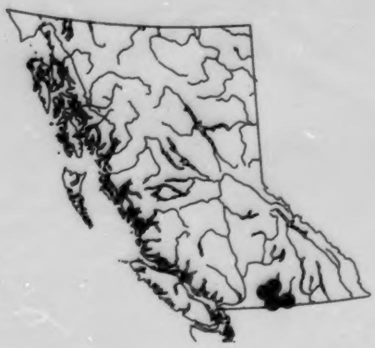
F4



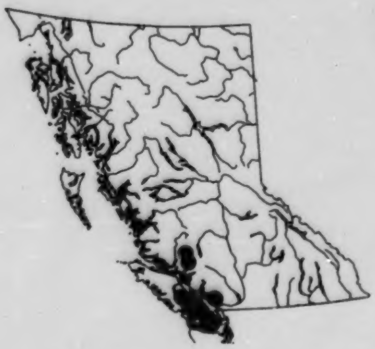
Neslia paniculata



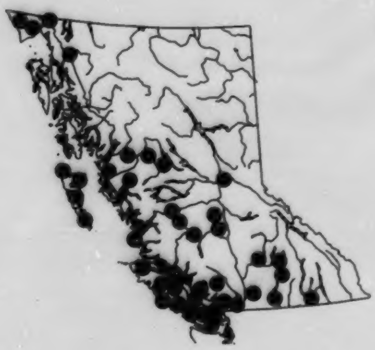
Nicotiana attenuata



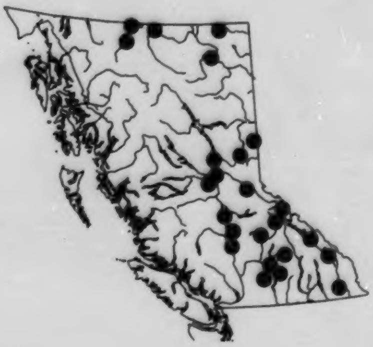
Nothocalais troximoides



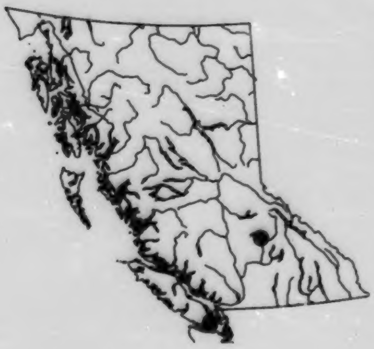
Nothochelone nemorosa



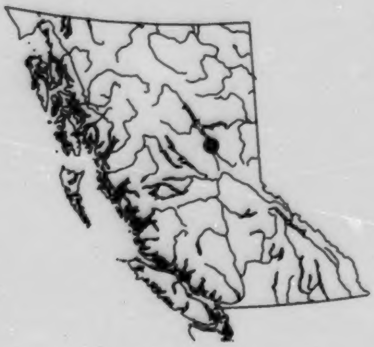
Nuphar lutea ssp. *polysepala*



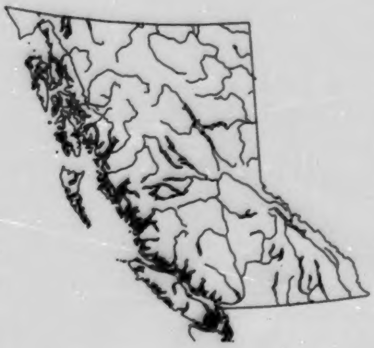
Nuphar lutea ssp. *variegata*



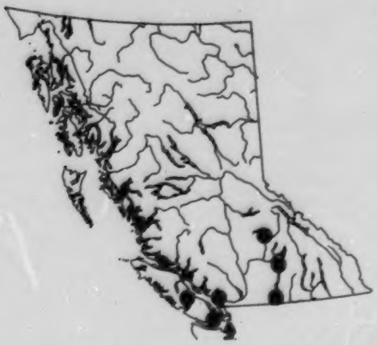
Nymphaea alba



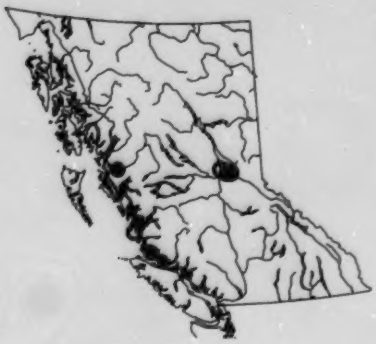
Nymphaea leibergii



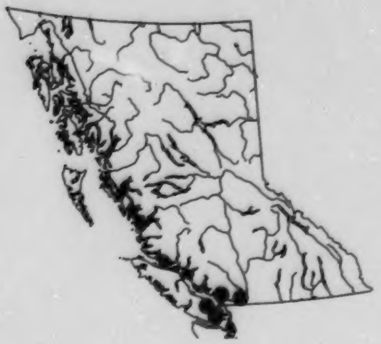
Nymphaea mexicana



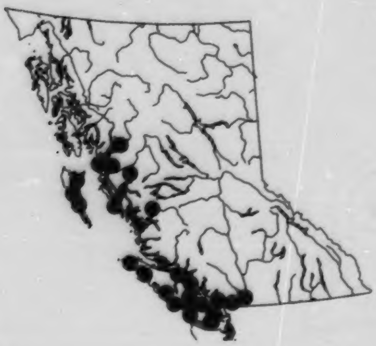
Nymphaea odorata



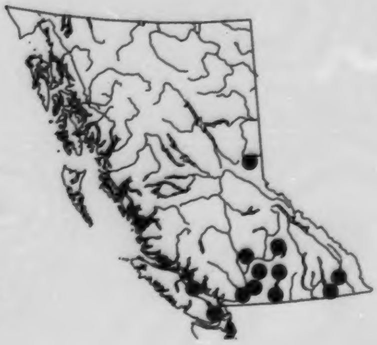
Nymphaea tetragona



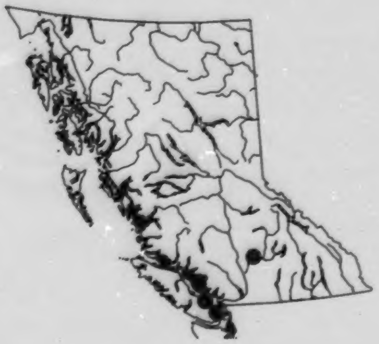
Oemleria cerasiformis



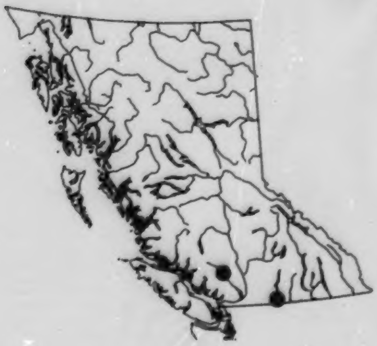
Oenanthe sarmentosa



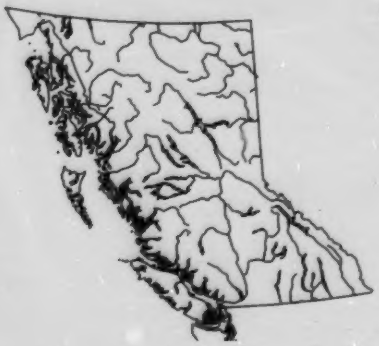
Oenothera biennis



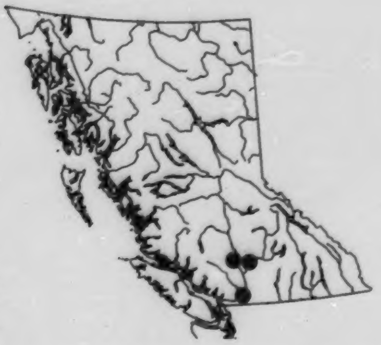
Oenothera glazioviana



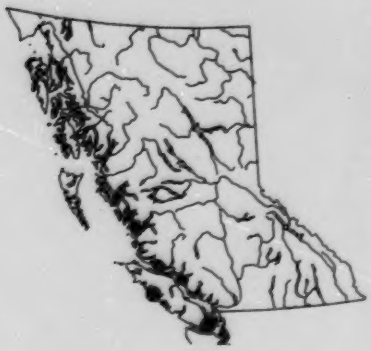
Oenothera pallida
ssp. *pallida*



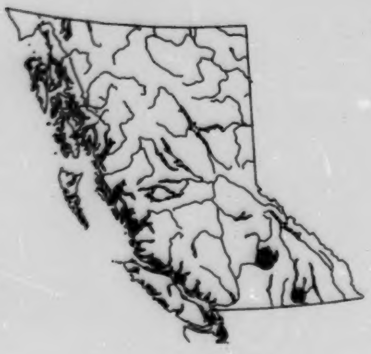
Oenothera perennis



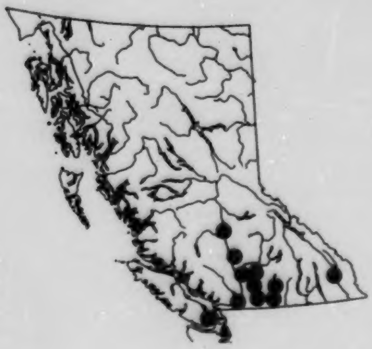
Oenothera villosa
ssp. *strigosa*



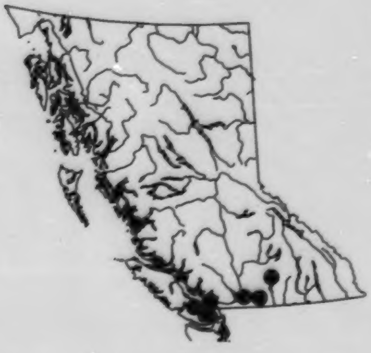
Olsynium douglasii
var. *douglasii*



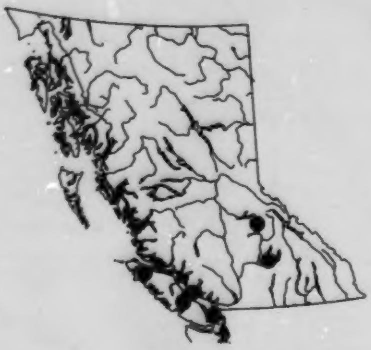
Olsynium douglasii
var. *inflatum*



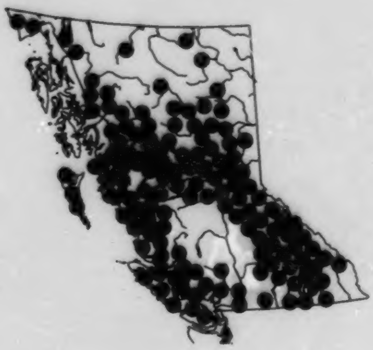
Onobrychis viciifolia



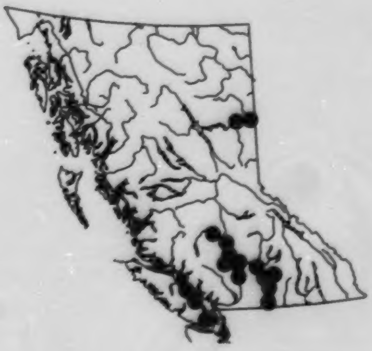
Onopordum acanthium



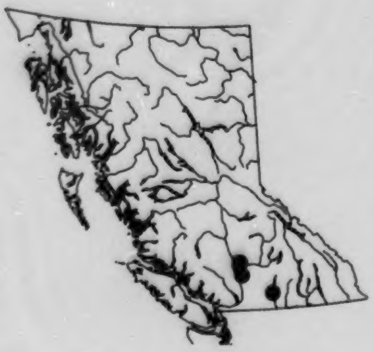
Ophioglossum pusillum



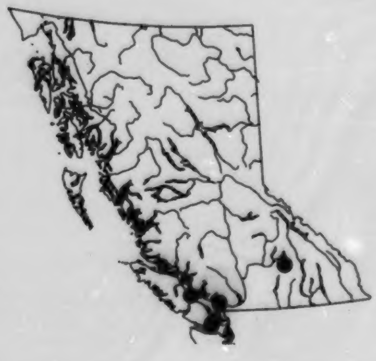
Oplopanax horridus



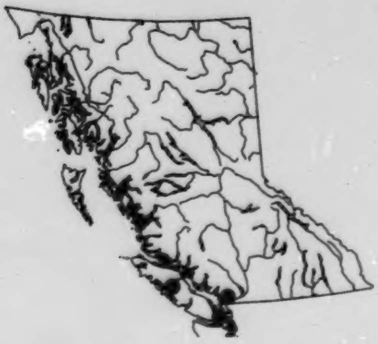
Opuntia fragilis



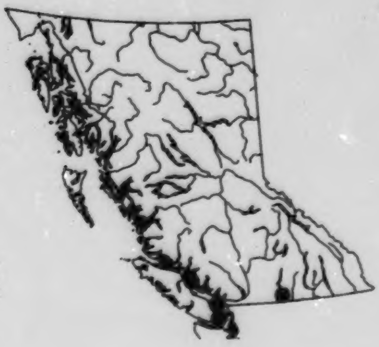
Opuntia polyacantha



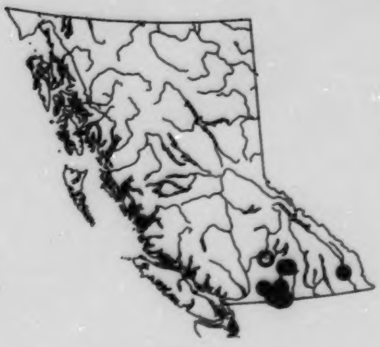
Origanum vulgare



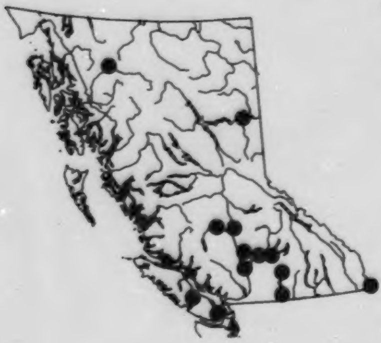
Ornithogalum umbellatum



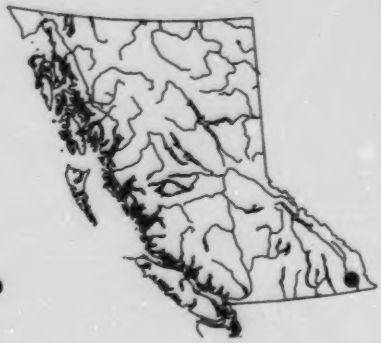
Orobanche californica
ssp. californica



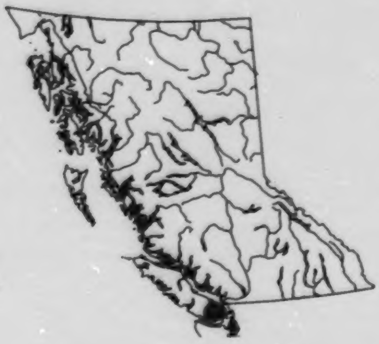
Orobanche corymbosa
ssp. mutabilis



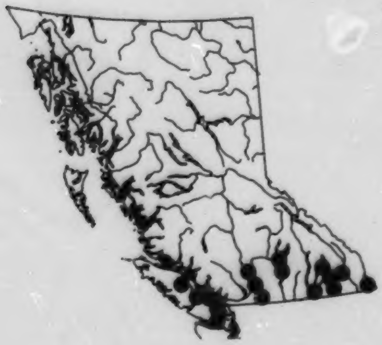
Orobanche fasciculata



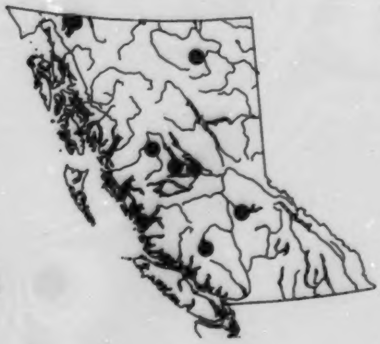
Orobanche ludoviciana
ssp. ludoviciana



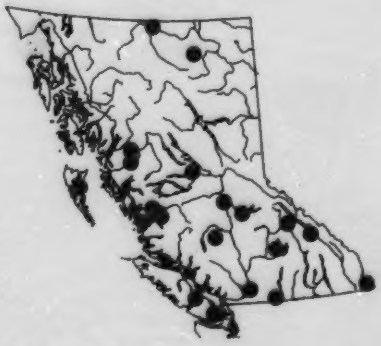
Orobanche pinorum



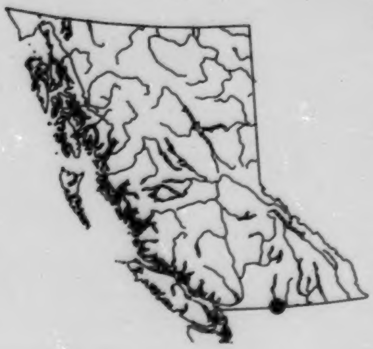
Orobanche uniflora



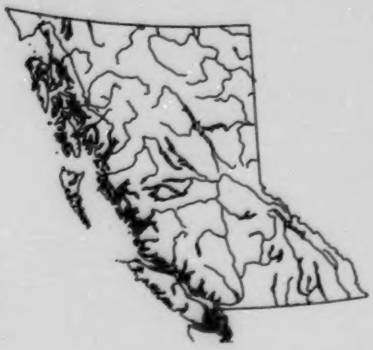
Orthilia secunda
var. obtusata



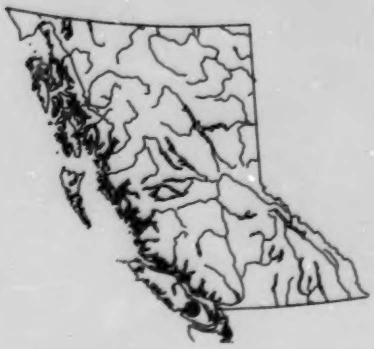
Orthilia secunda
var. secunda



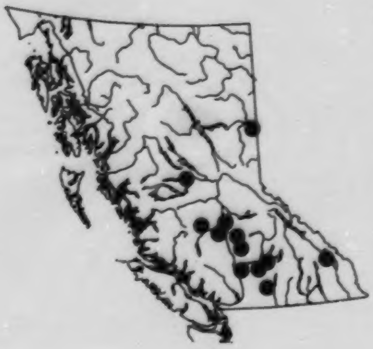
Orthocarpus barbatus



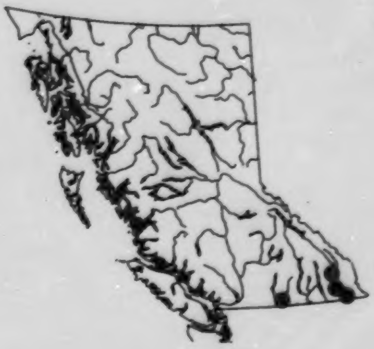
Orthocarpus bracteosus



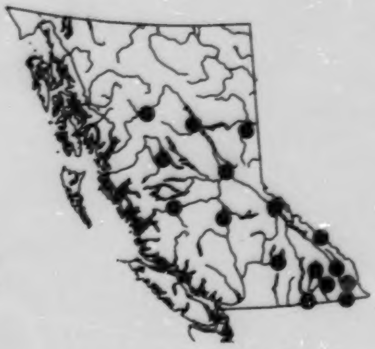
Orthocarpus imbricatus



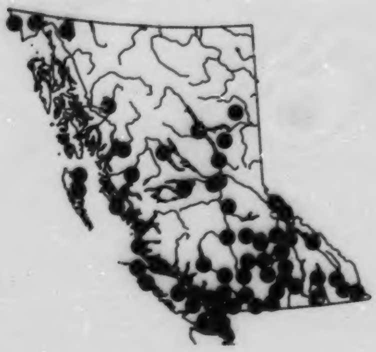
Orthocarpus luteus



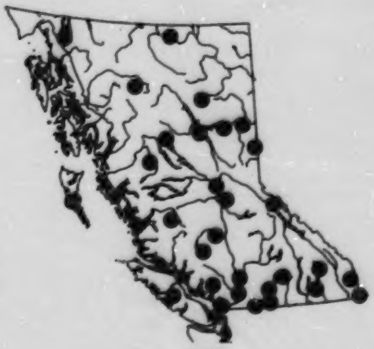
Orthocarpus tenuifolius



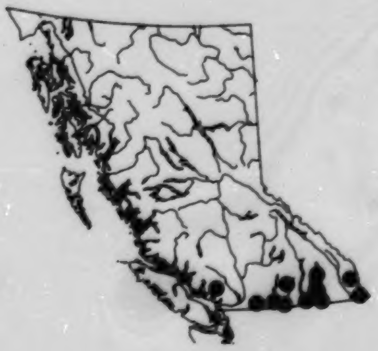
Oryzopsis asperifolia



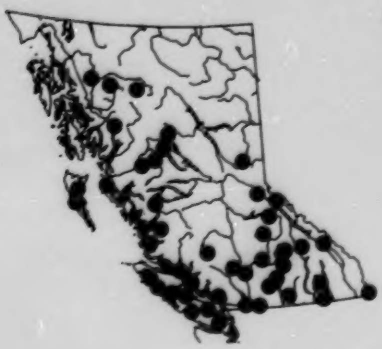
Osmorhiza berteroi



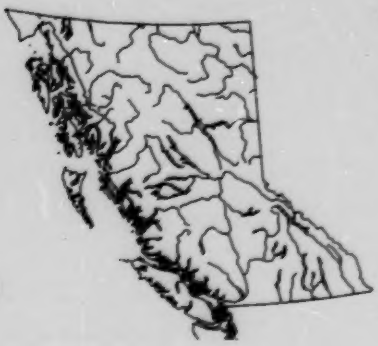
Osmorhiza depauperata



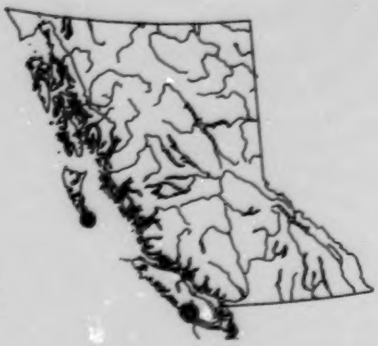
Osmorhiza occidentalis



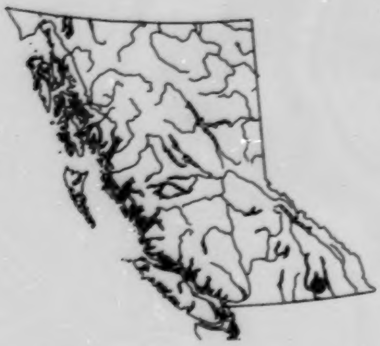
Osmorhiza purpurea



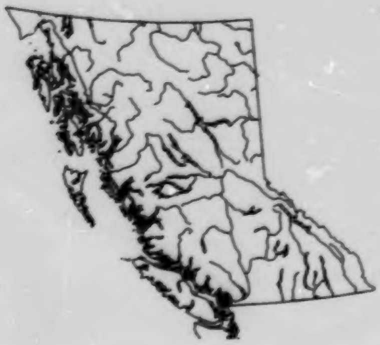
Oxalis corniculata



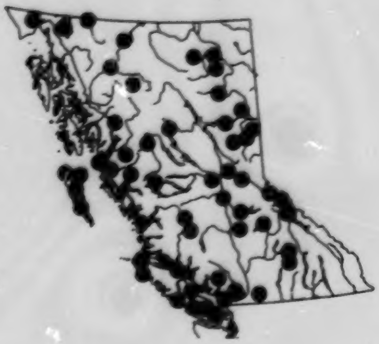
Oxalis oregana



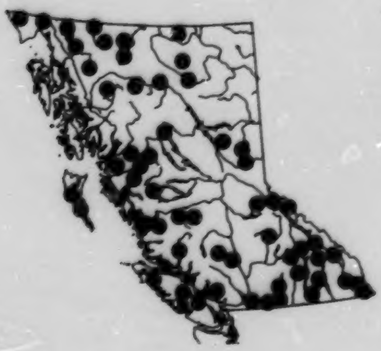
Oxalis stricta



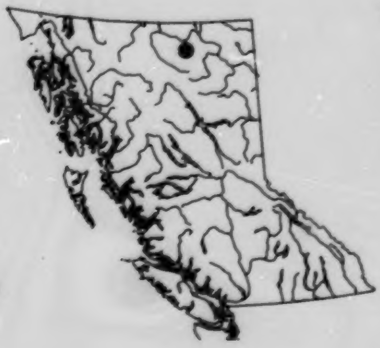
Oxycoccus macrocarpus



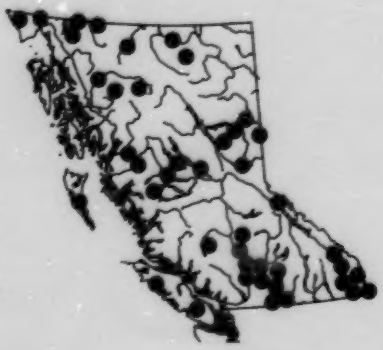
Oxycoccus oxycoccos



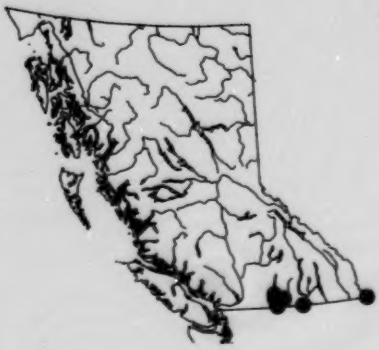
Oxyria digyna



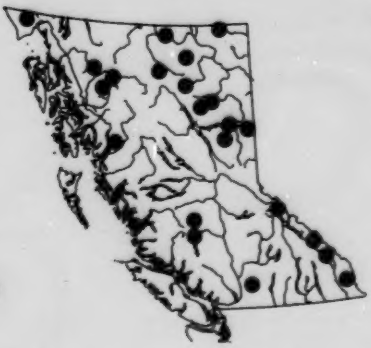
Oxytropis arctica



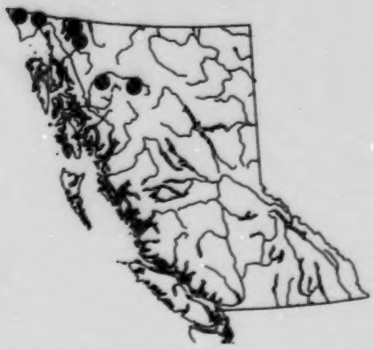
Oxytropis campestris var. cusickii
and var. varians



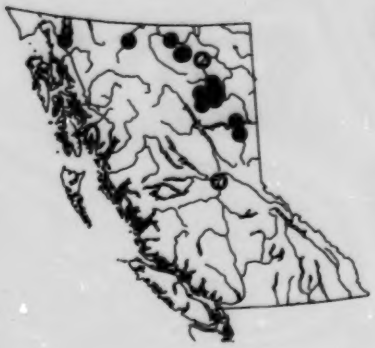
Oxytropis campestris
var. *columbiana*



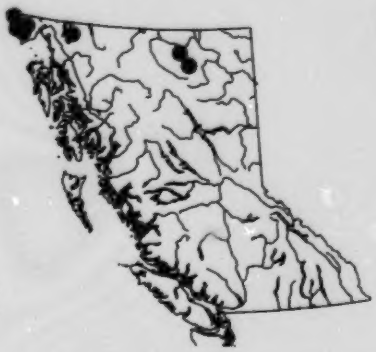
Oxytropis deflexa



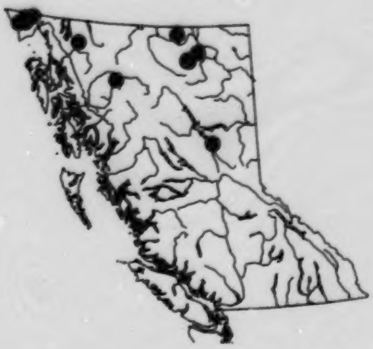
Oxytropis huddelsonii



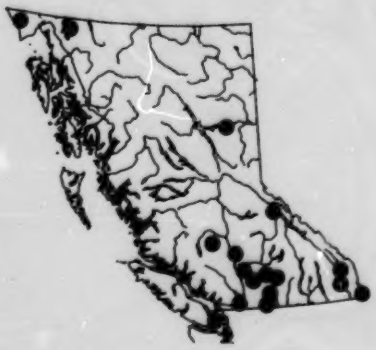
Oxytropis jordalii
ssp. *davisii*



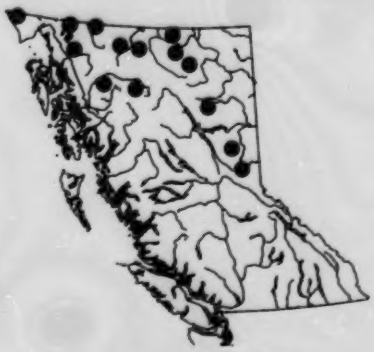
Oxytropis jordalii
ssp. *jordalii*



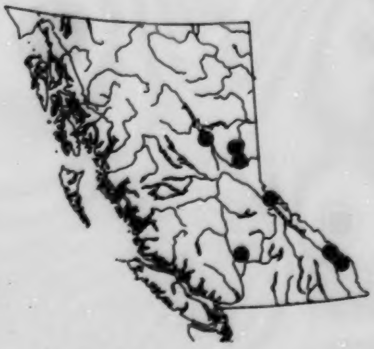
Oxytropis maydelliana



Oxytropis monticola
ssp. *monticola*



Oxytropis nigrescens



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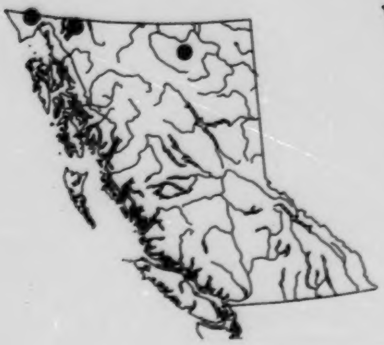
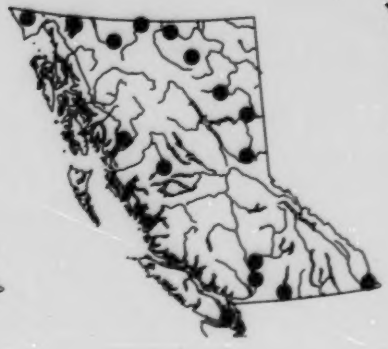
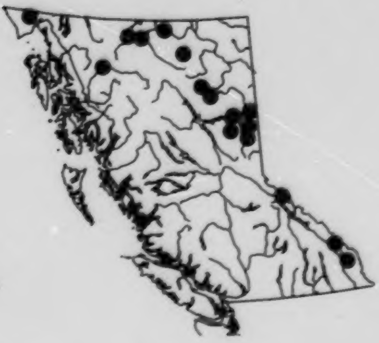


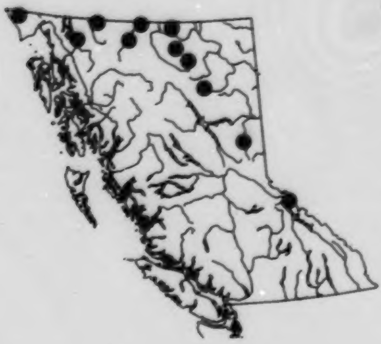
Oxytropis scammaniana



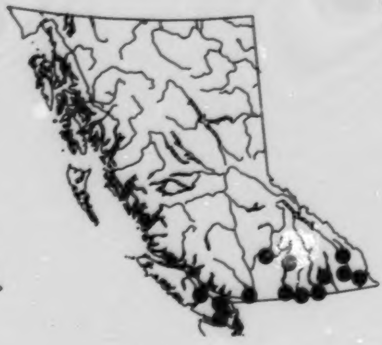
Oxytropis sericea
var. spicata



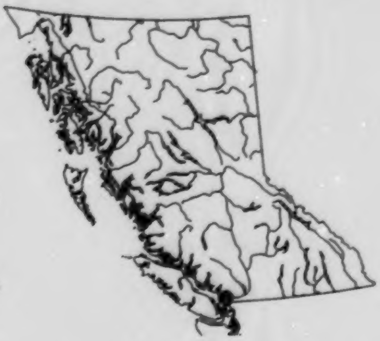
Oxytropis splendens



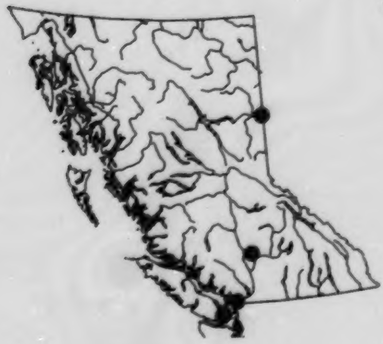
Oxytropis viscida



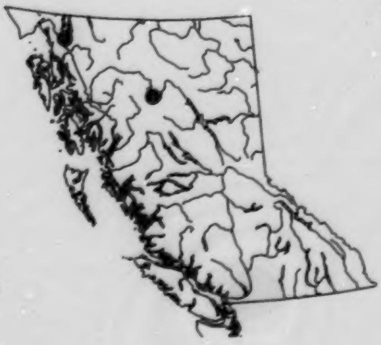
Panicum capillare



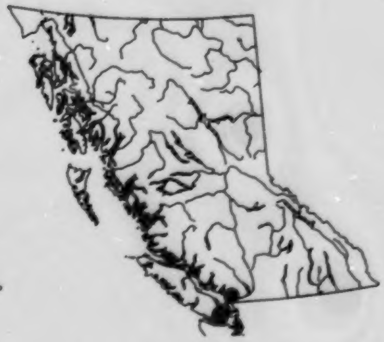
Panicum dichotomiflorum



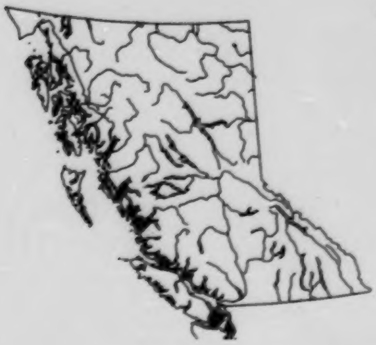
Panicum miliaceum



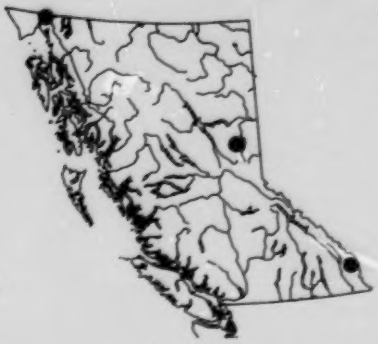
Papaver alboroseum



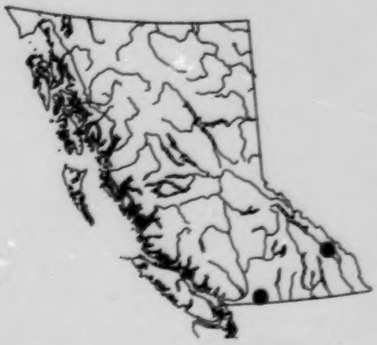
Papaver argemone



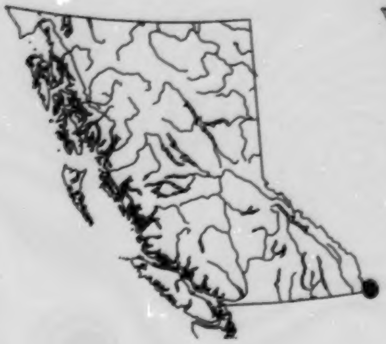
Papaver dubium



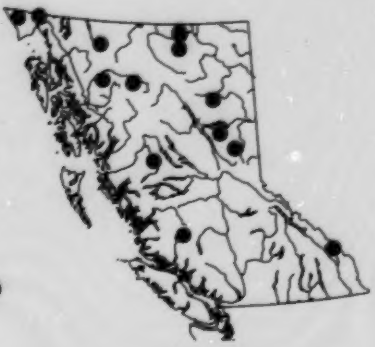
Papaver lapponicum



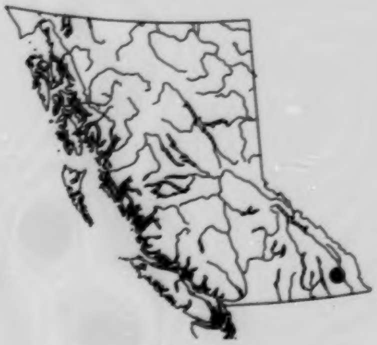
Papaver nudicaule



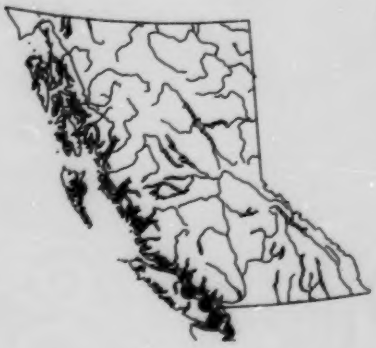
Papaver pygmaeum



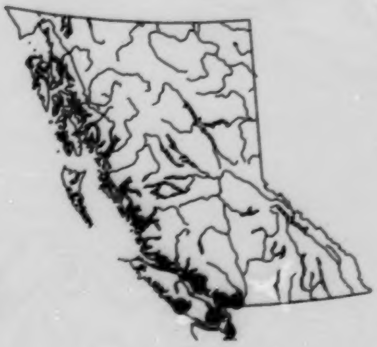
Papaver radicatum
ssp. kluanensis



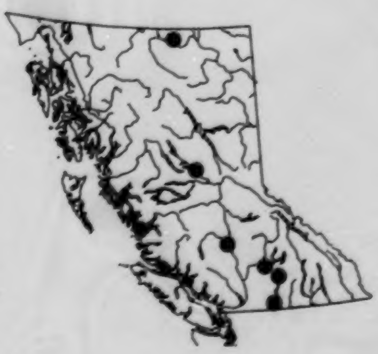
Papaver rhoeas



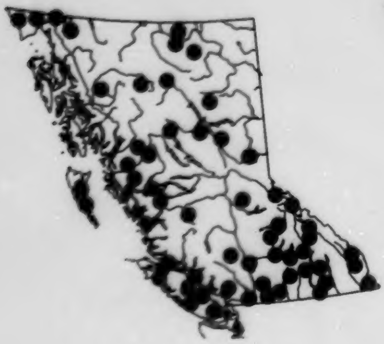
Papaver somniferum



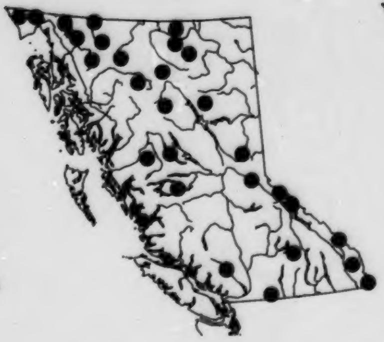
Parentucellia viscosa



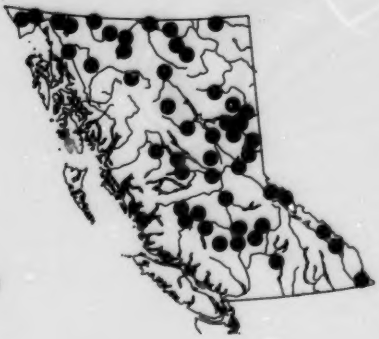
Parietaria pensylvanica



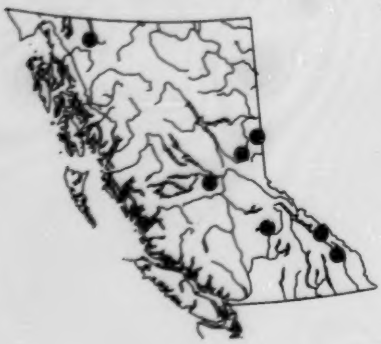
Parnassia fimbriata



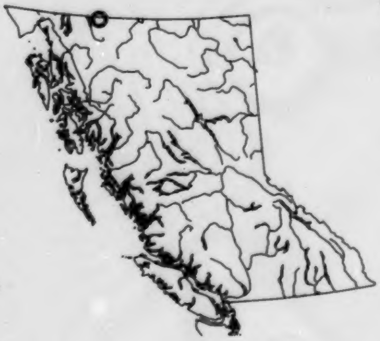
Parnassia kotzebuei



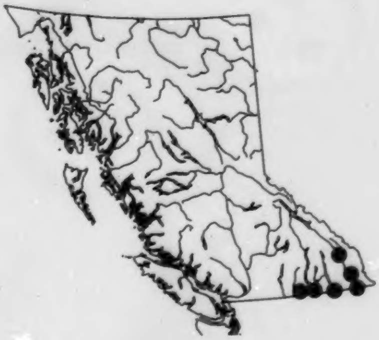
Parnassia palustris



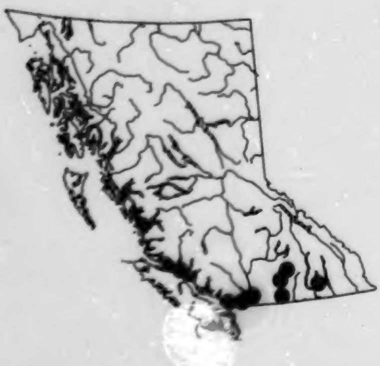
Parnassia parviflora



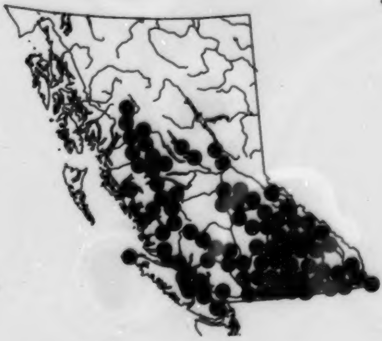
Parrya nudicaulis



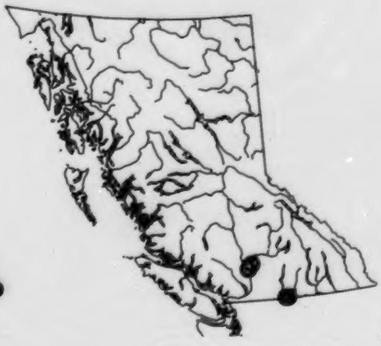
Pascopyrum smithii



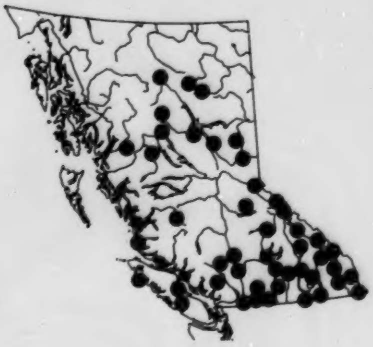
Pastinaca sativa



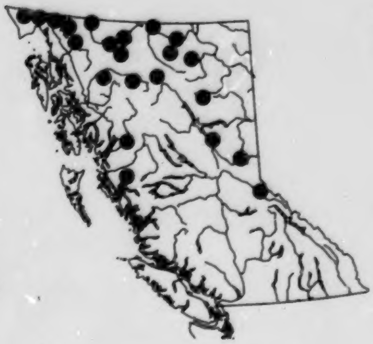
Paxistima myrsinites



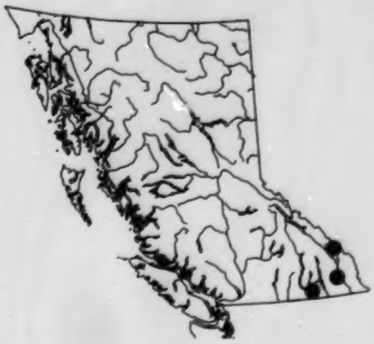
Pectocarya penicillata



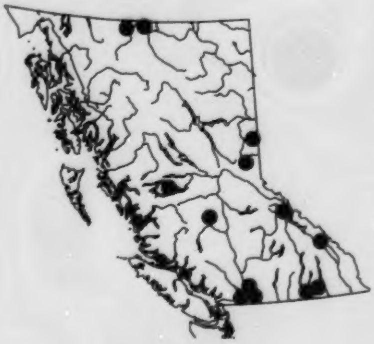
Pedicularis bracteosa
sensu lato



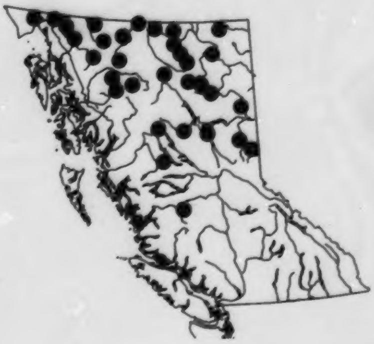
Pedicularis capitata



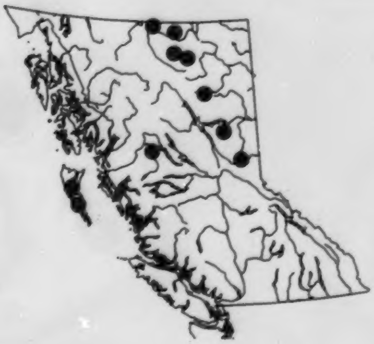
Pedicularis contorta
var. *contorta*



Pedicularis groenlandica



Pedicularis labradorica



Pedicularis lanata
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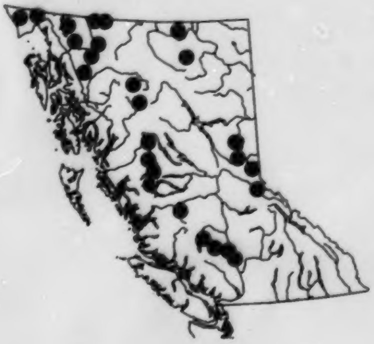

Pedicularis langsdorfii
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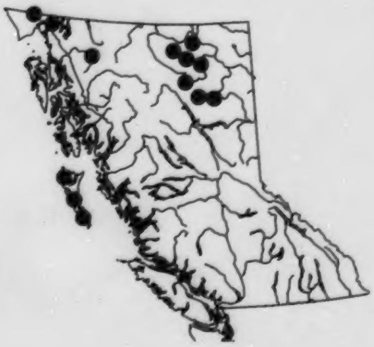
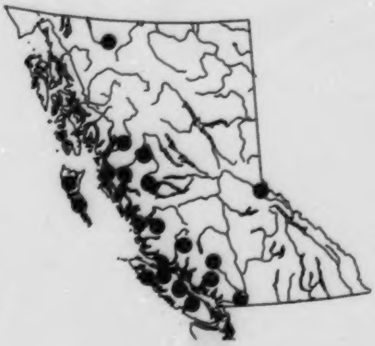
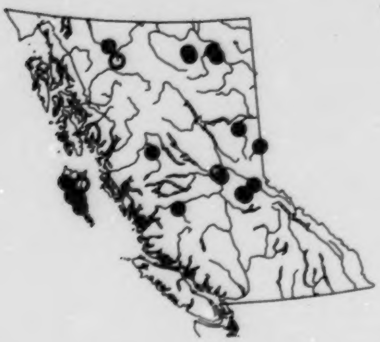


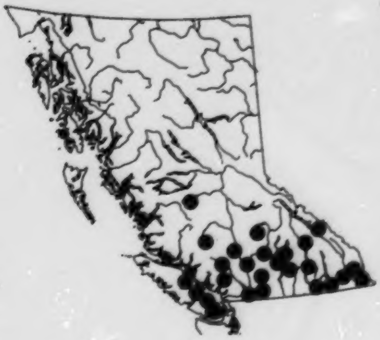
Pedicularis oederi



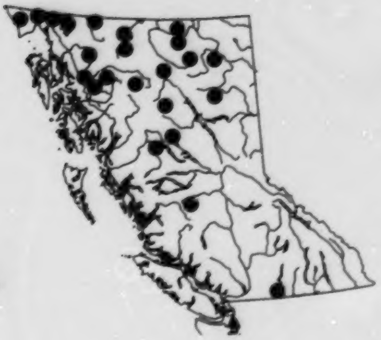
Pedicularis ornithorhyncha



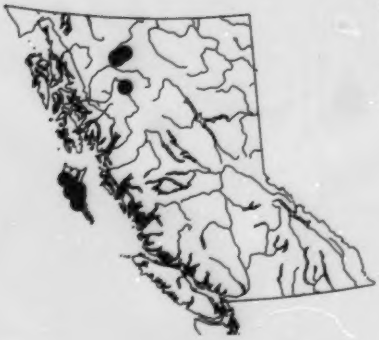
Pedicularis parviflora ssp. *parviflora*



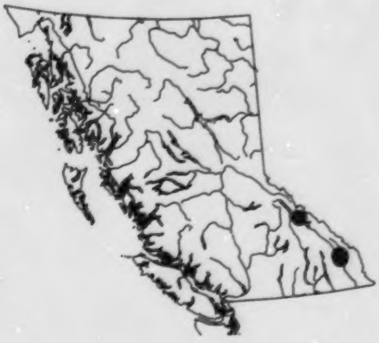
Pedicularis racemosa



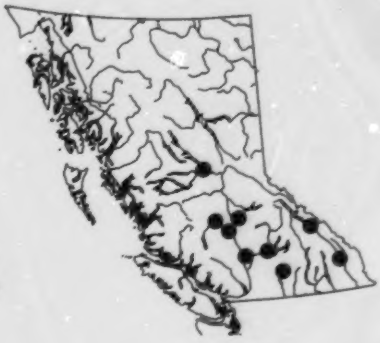
Pedicularis sudetica ssp. *interior*



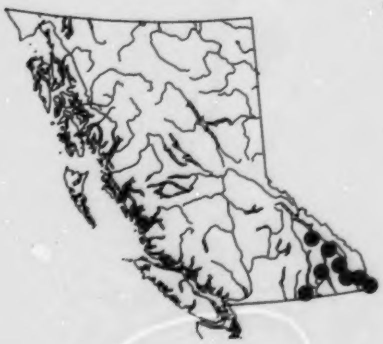
Pedicularis verticillata



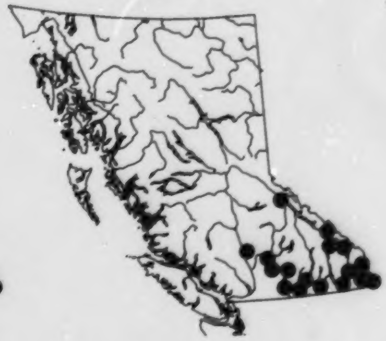
Pellaea gastonyi



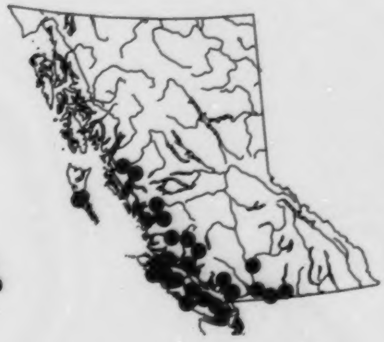
Pellaea glabella ssp. *simplex*



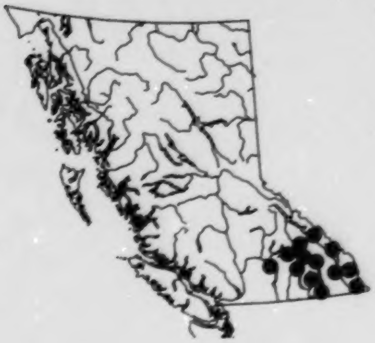
Penstemon albertinus



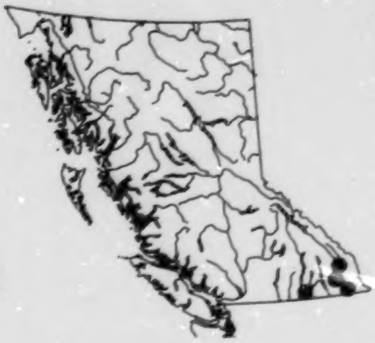
Penstemon confertus



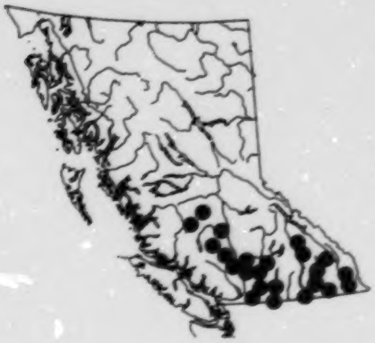
Penstemon davidsonii sensu lato



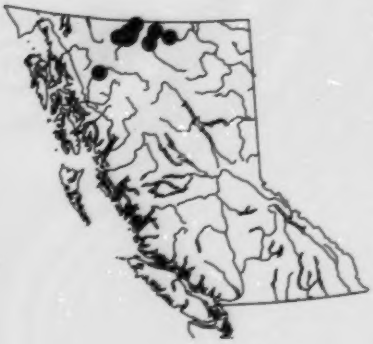
Penstemon ellipticus



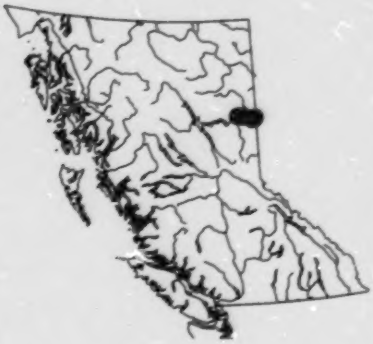
Penstemon eriantherus var. *eriantherus*



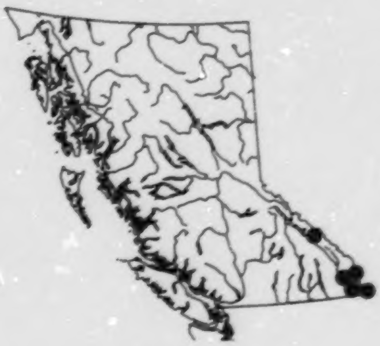
Penstemon fruticosus sensu lato



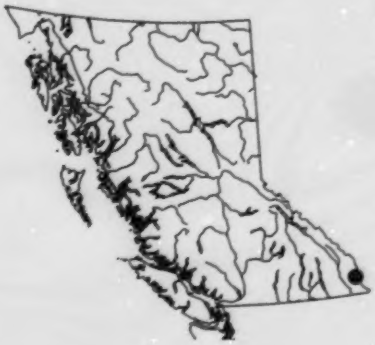
Penstemon gormanii



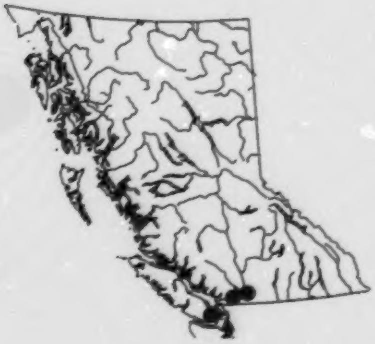
Penstemon gracilis



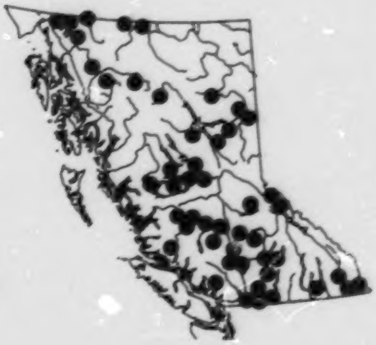
Penstemon lyallii



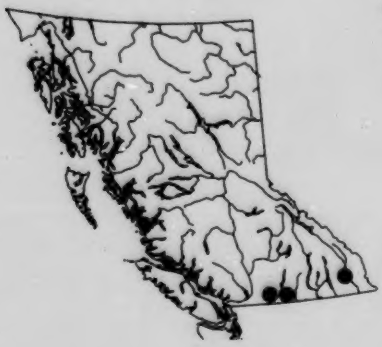
Penstemon nitidus var. *nitidus*



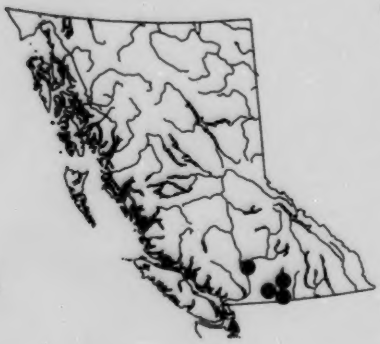
Penstemon ovatus



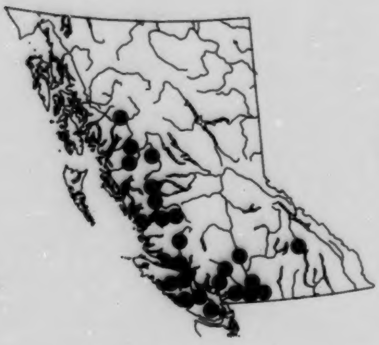
Penstemon procerus sensu lato



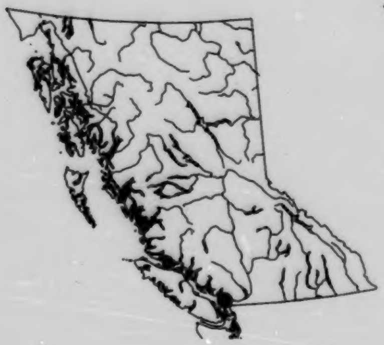
Penstemon pruinosus



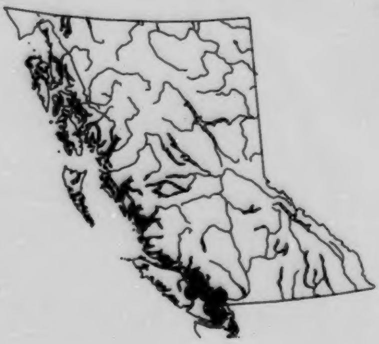
Penstemon richardsonii
var. *richardsonii*



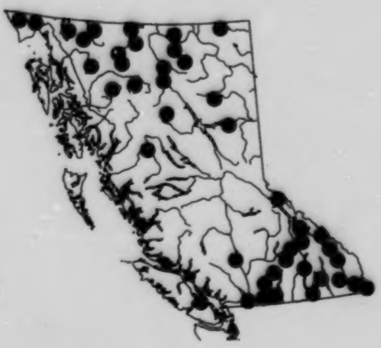
Penstemon serrulatus



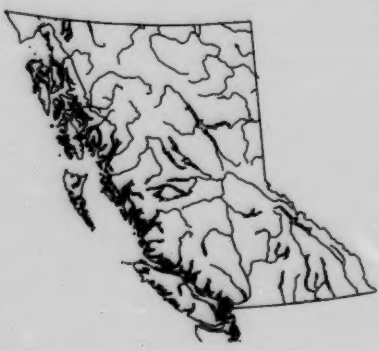
Pentaglottis sempervirens



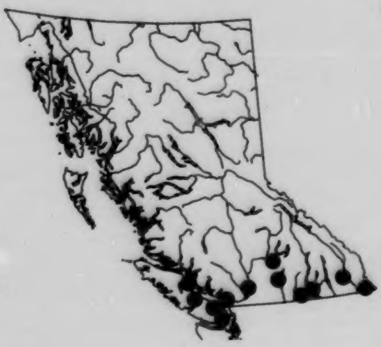
Pentagramma triangularis



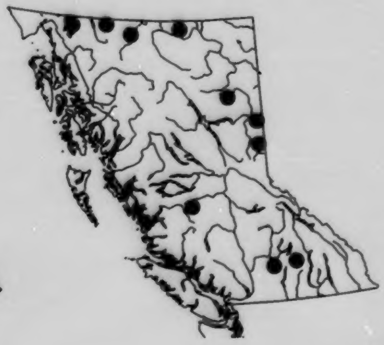
Pentaphylloides floribunda



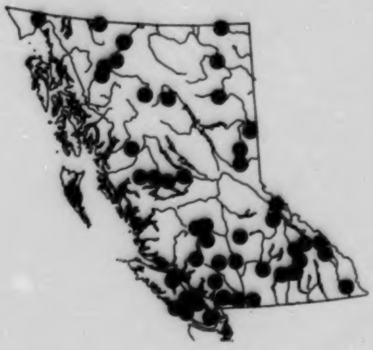
Penthorum sedoides



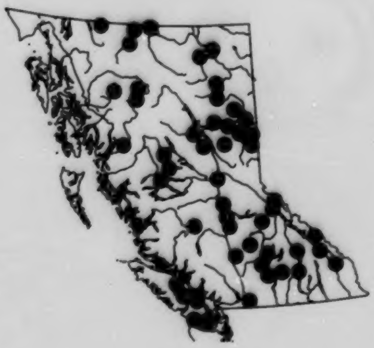
Perideridia gairdneri



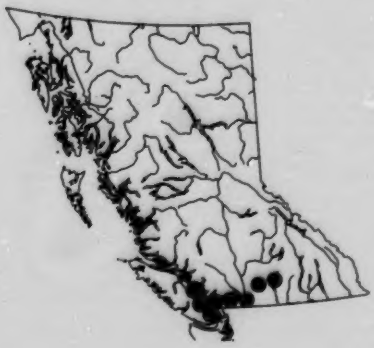
Petasites frigidus
var. *frigidus*



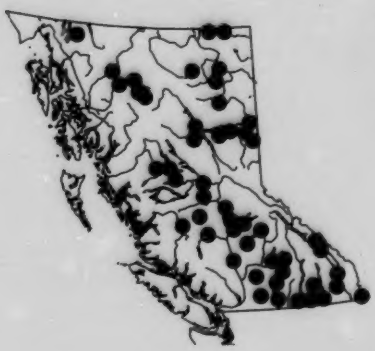
Petasites frigidus
var. *nivalis*



Petasites frigidus
var. *palmatus*



Petasites japonicus



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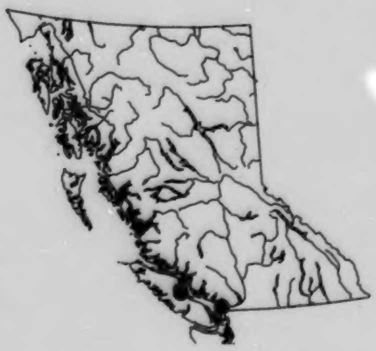

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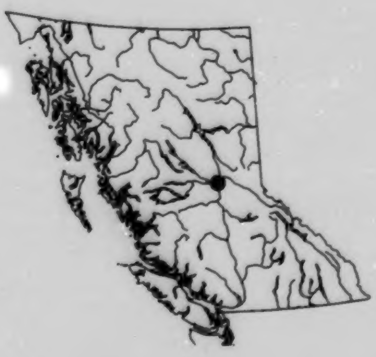

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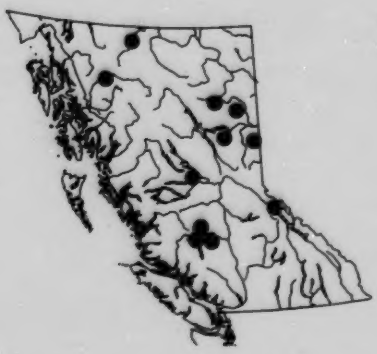
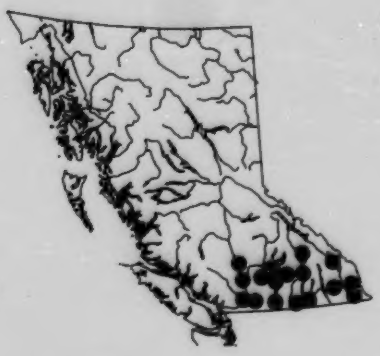
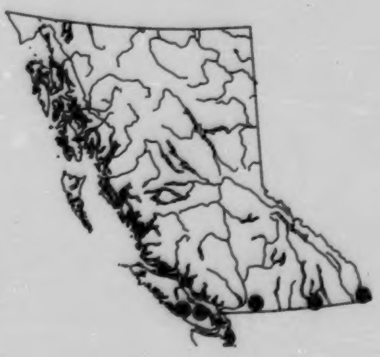


Phacelia franklinii



Phacelia hastata



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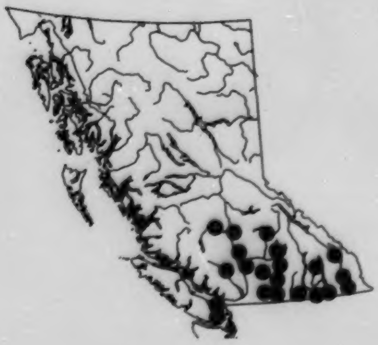

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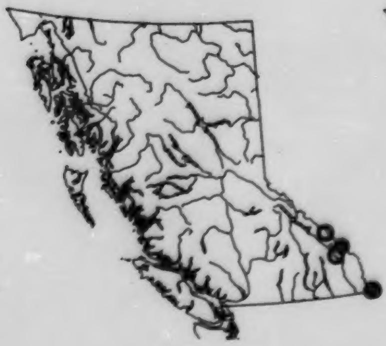

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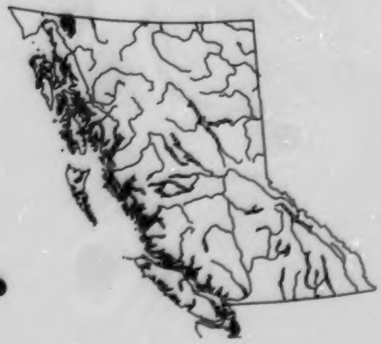

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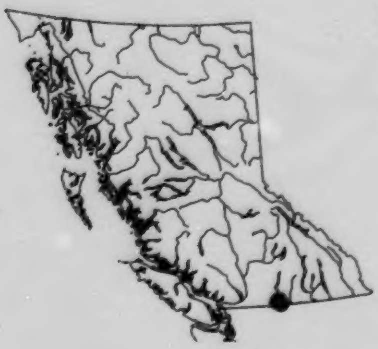

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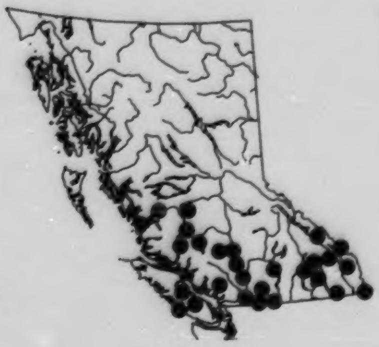

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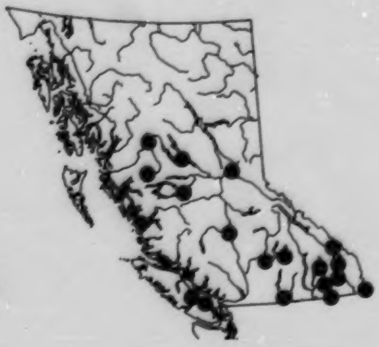
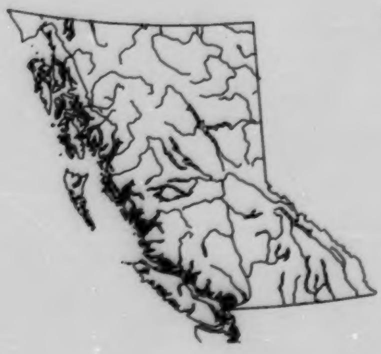
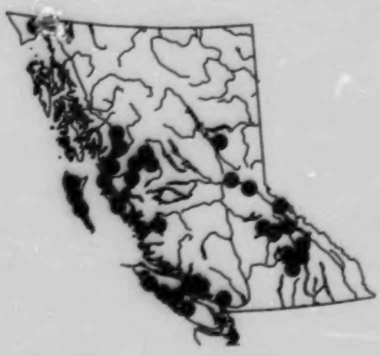


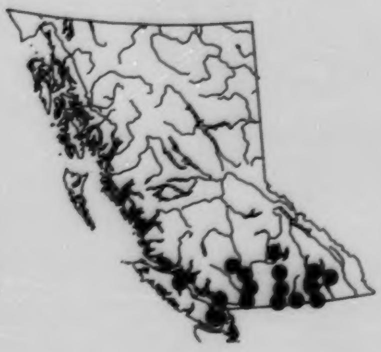
Phalaris arundinacea



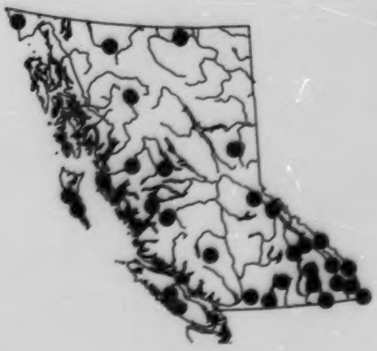
Phalaris canariensis



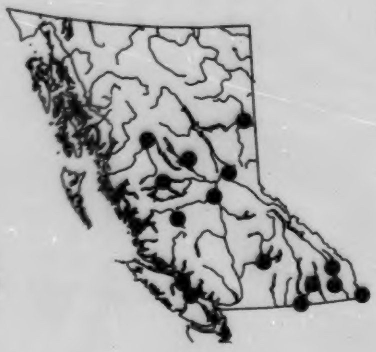
Phegopteris connectilis



Philadelphus lewisii



Phleum alpinum



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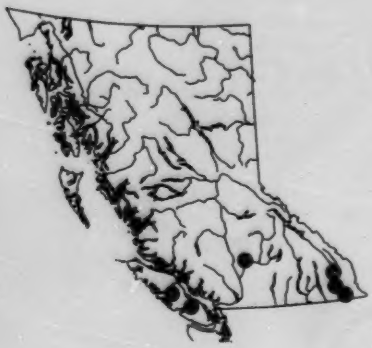
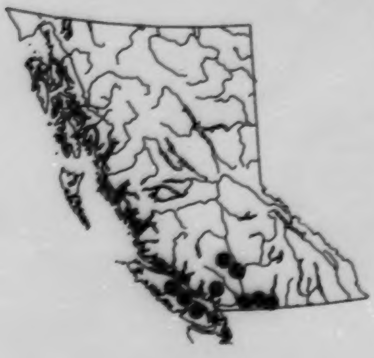
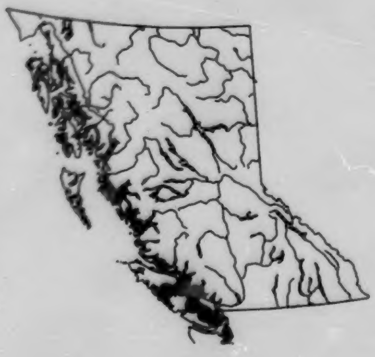


Phlox caespitosa



Phlox diffusa ssp. *longistylis*



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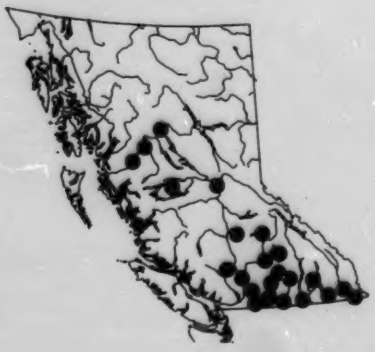

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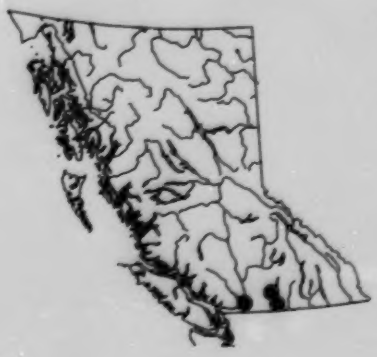

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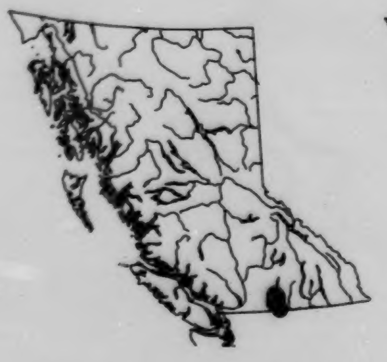

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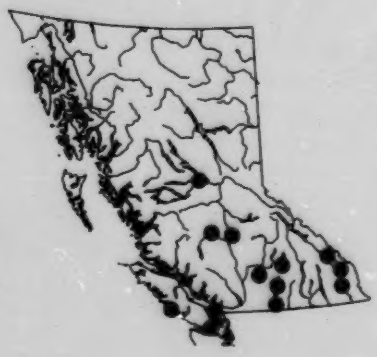
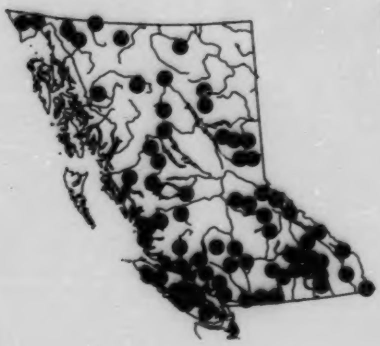
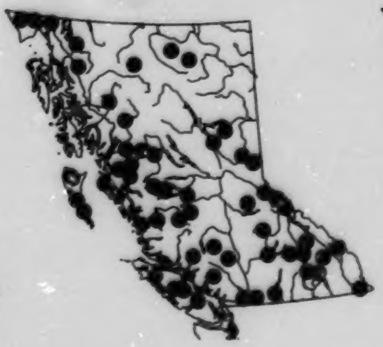


Phragmites australis



Phyllodoce empetriformis



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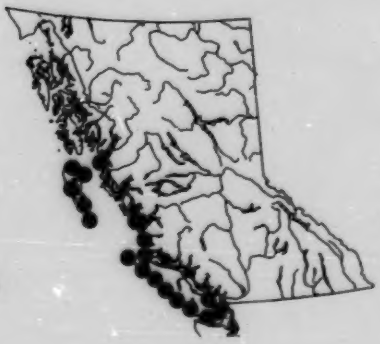
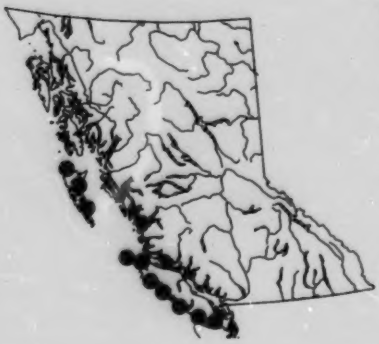


Phyllospadix scouleri



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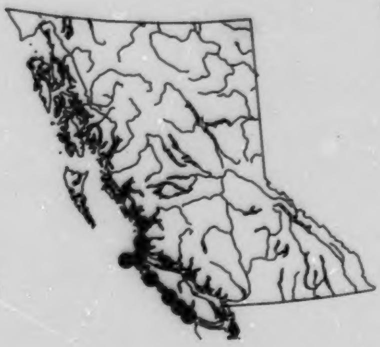

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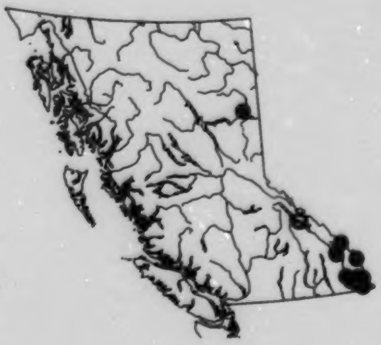
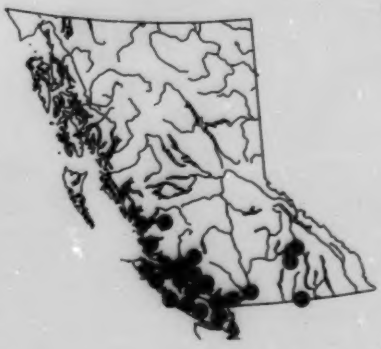
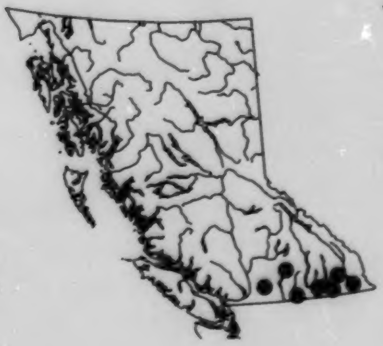


Physaria didymocarpa
var. didymocarpa



Physocarpus capitatus



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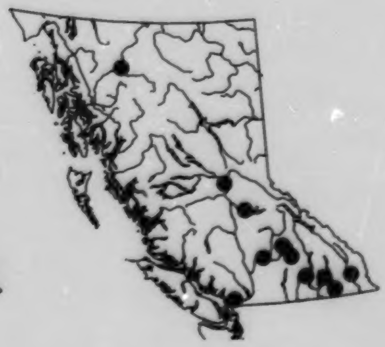

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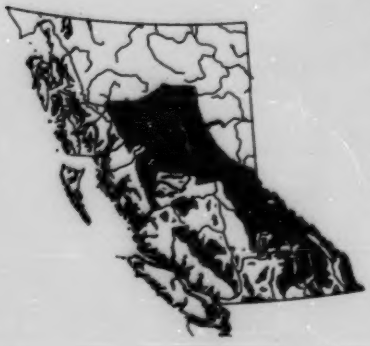
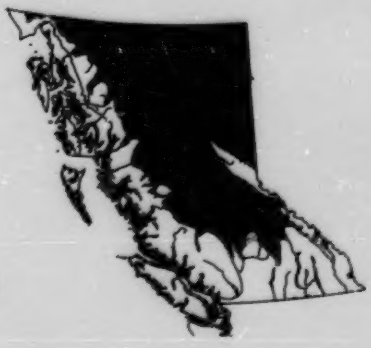


Picea engelmannii



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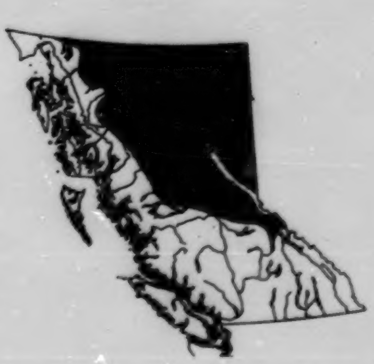
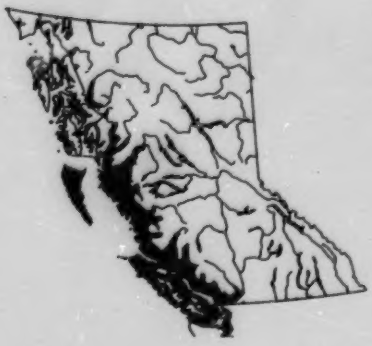


Picea mariana



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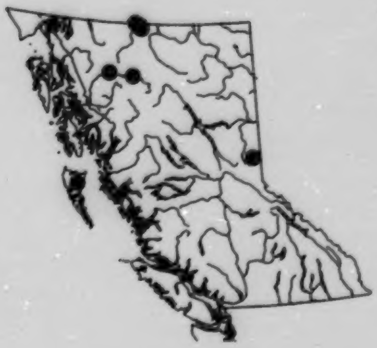
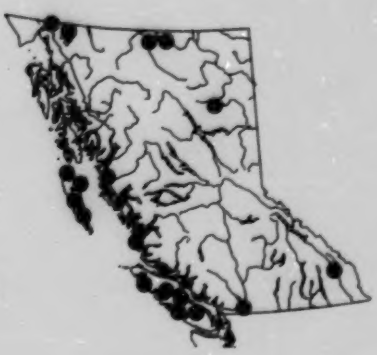


Pinguicula villosa



Pinguicula vulgaris
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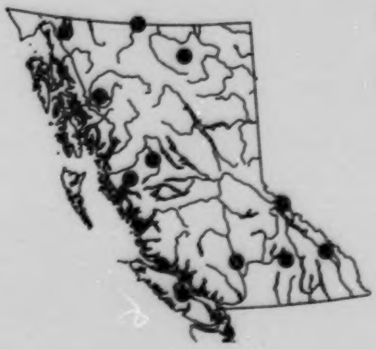

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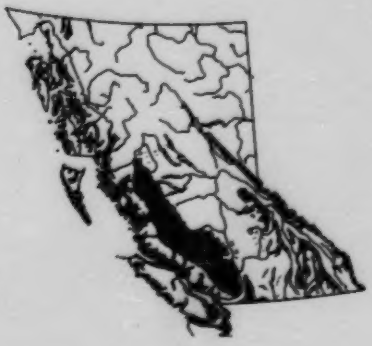
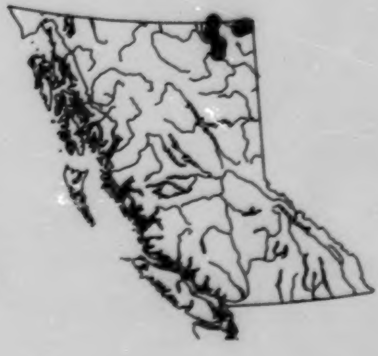
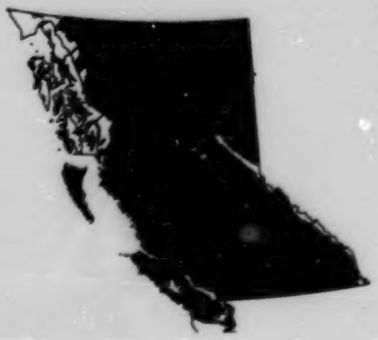


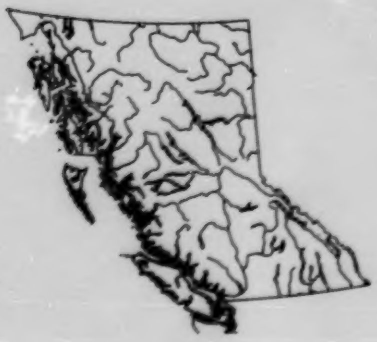
Pinus albicaulis



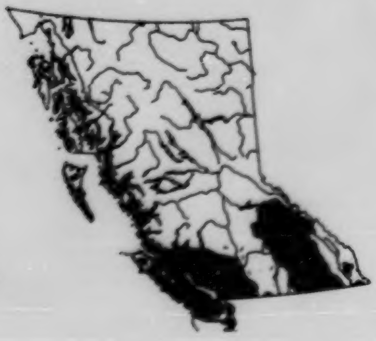
Pinus banksiana



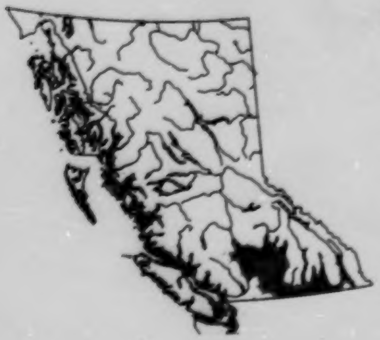
Pinus contorta sensu lato



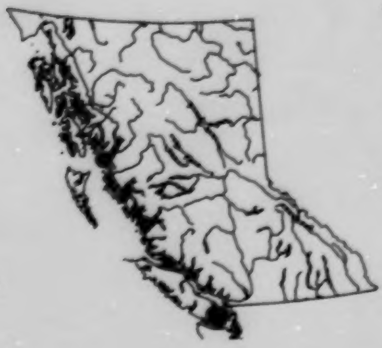
Pinus flexilis



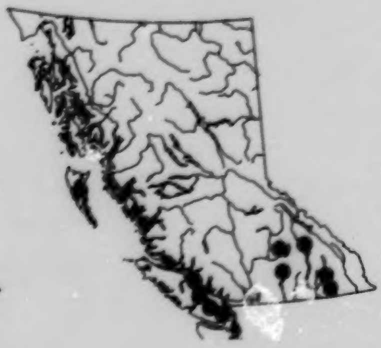
Pinus monticola



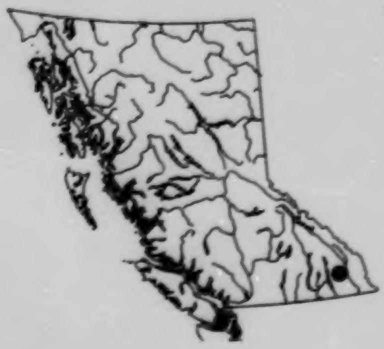
Pinus ponderosa



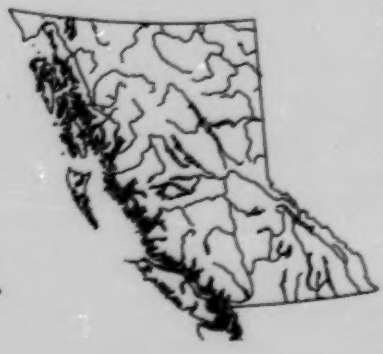
Piperia candida



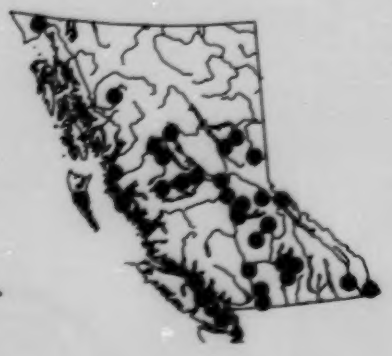
Piperia elegans



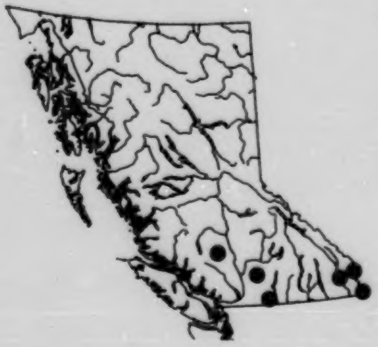
Piperia elongata



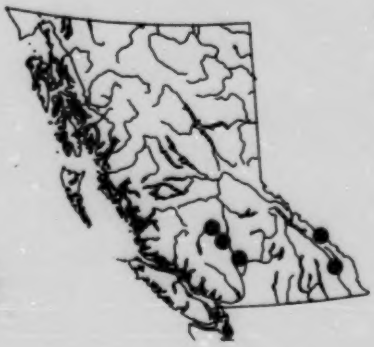
Piperia transversa



Piperia unalascensis



Piptatherum exiguum



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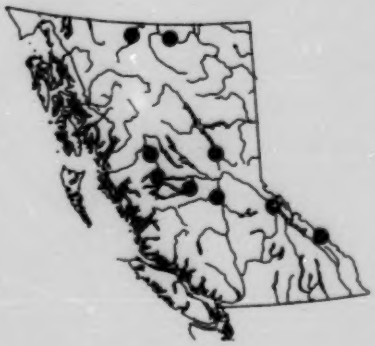
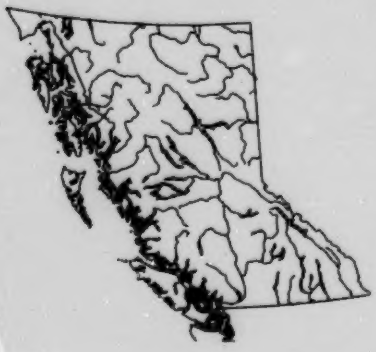
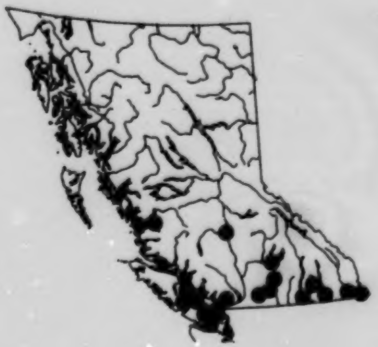


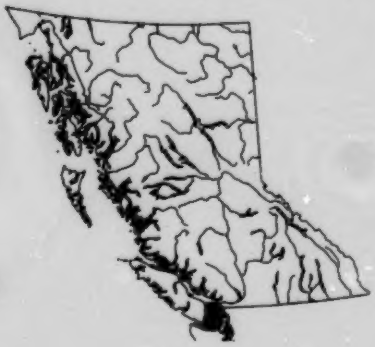
Piptatherum pungens



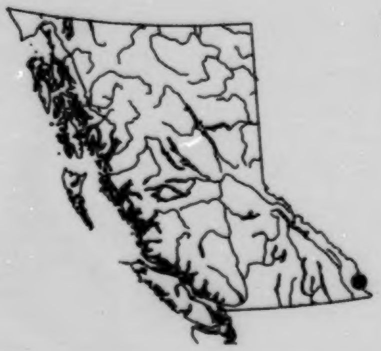
Plagiobothrys figuratus



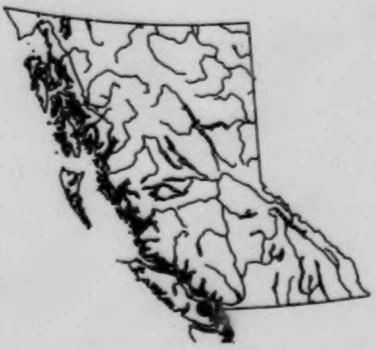
Plagiobothrys scouleri



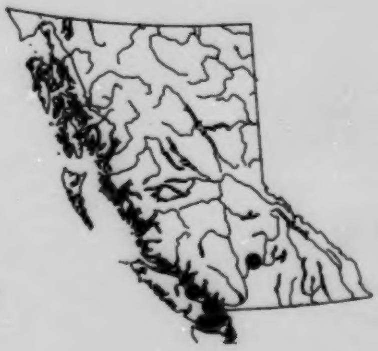
Plagiobothrys tenellus



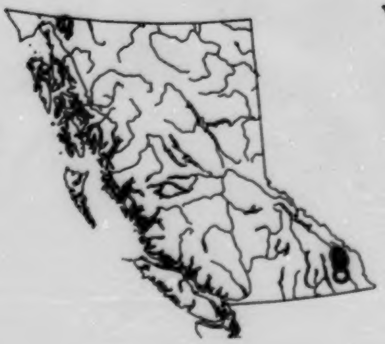
Plantago canescens



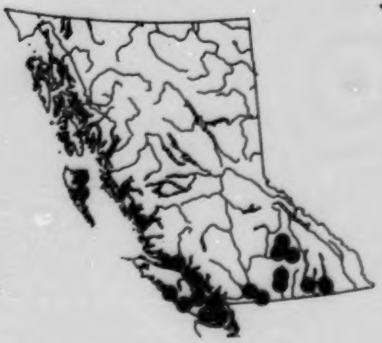
Plantago coronopus



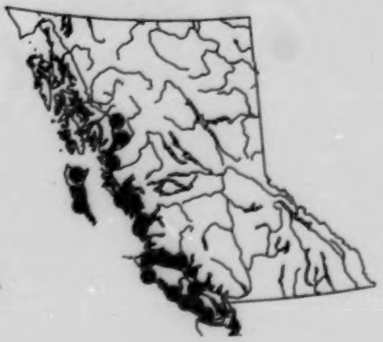
Plantago elongata



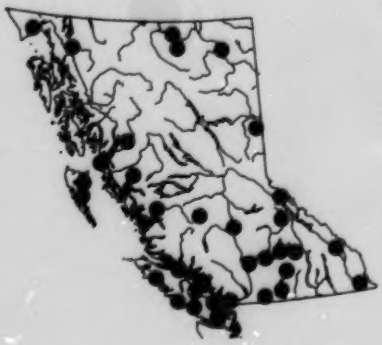
Plantago eriopoda



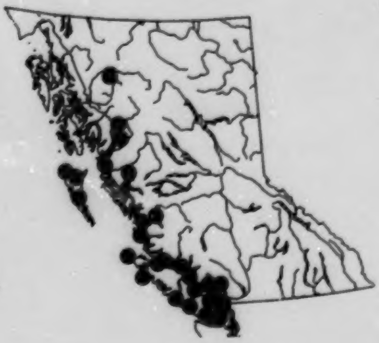
Plantago lanceolata



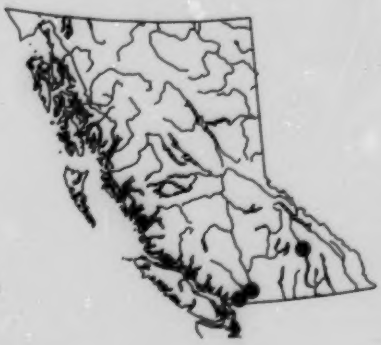
Plantago macrocarpa



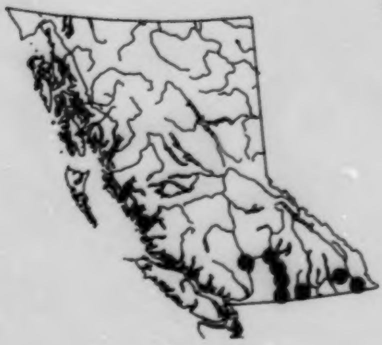
Plantago major



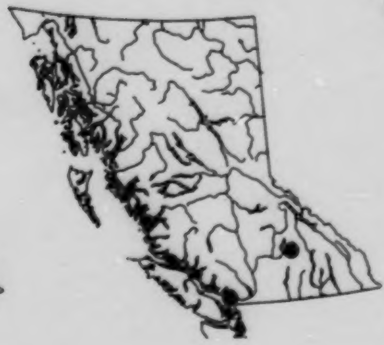
Plantago maritima ssp. *juncoides*



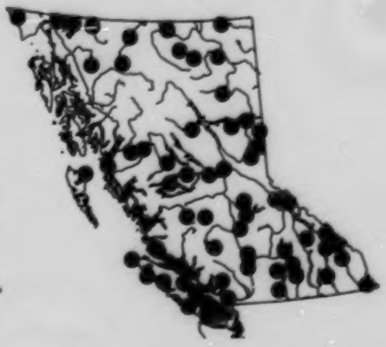
Plantago media



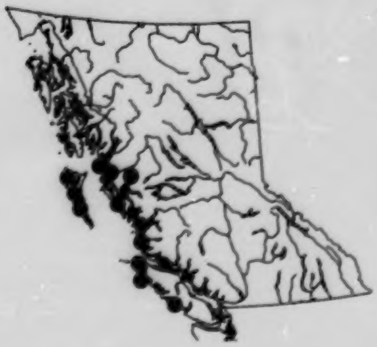
Plantago patagonica



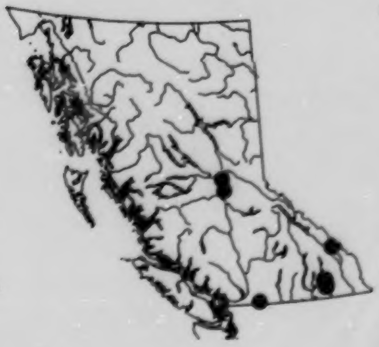
Plantago psyllium



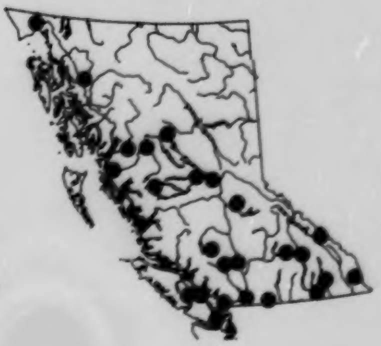
Platanthera aquilonis



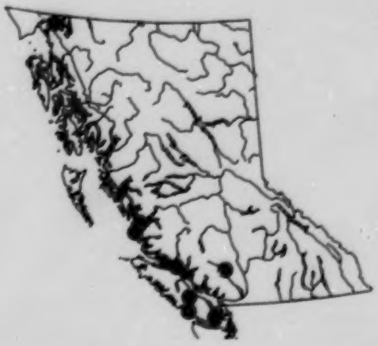
Platanthera chorisiana



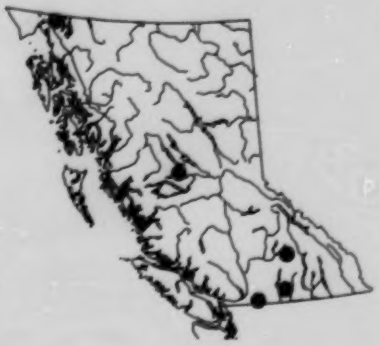
Platanthera dilatata* var. *albiflora



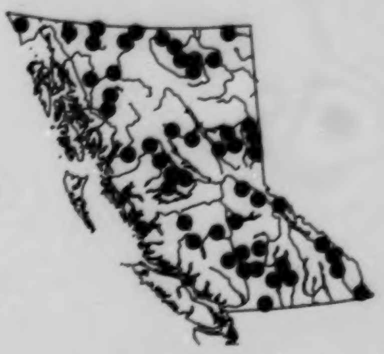
Platanthera dilatata* var. *dilatata



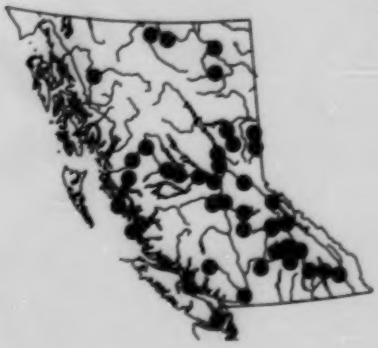
Platanthera dilatata* var. *leucostachys



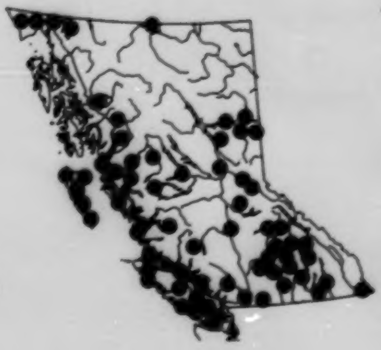
Platanthera huronensis



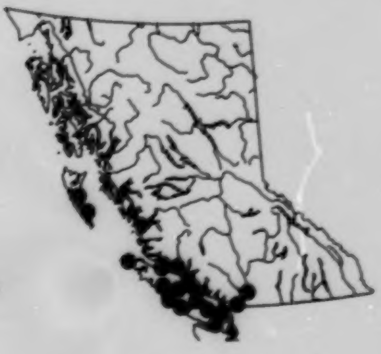
Platanthera obtusata* ssp. *obtusata



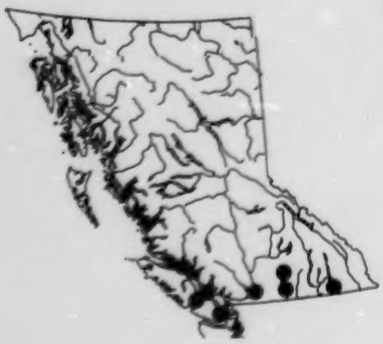
Platanthera orbiculata



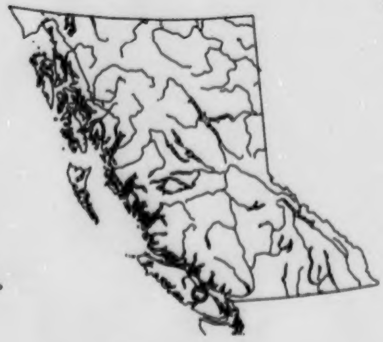
Platanthera stricta



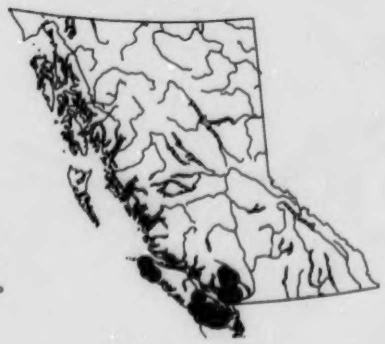
Plectritis congesta sensu lato



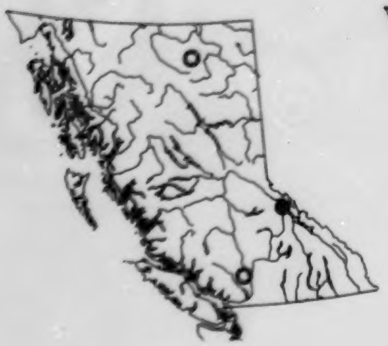
Plectritis macrocera



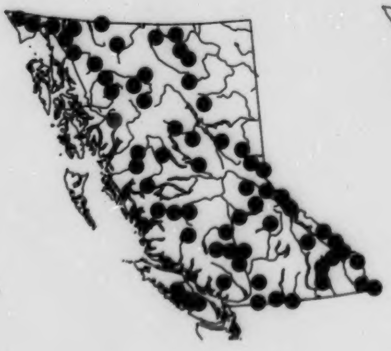
Pleuricospora fimbriolata



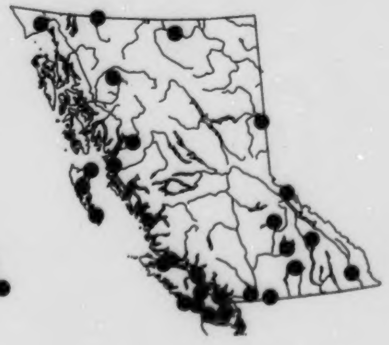
Pleuropogon refractus



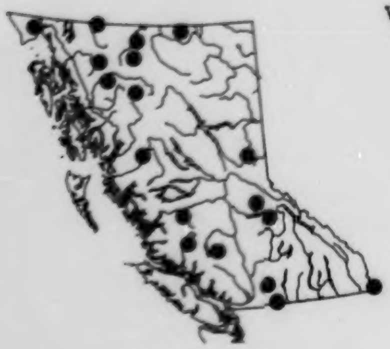
Poa abbreviata ssp. *pattersonii*



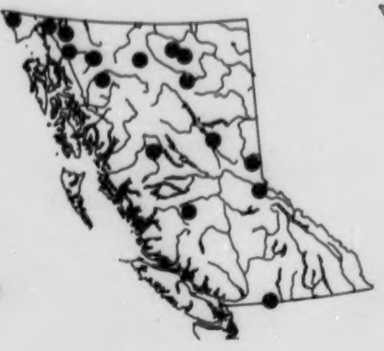
Poa alpina ssp. *alpina*



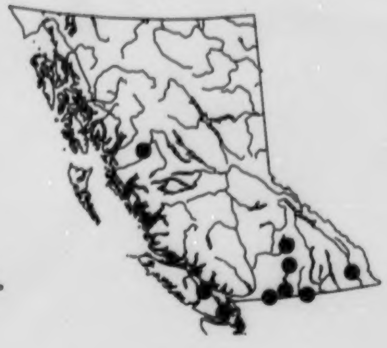
Poa annua



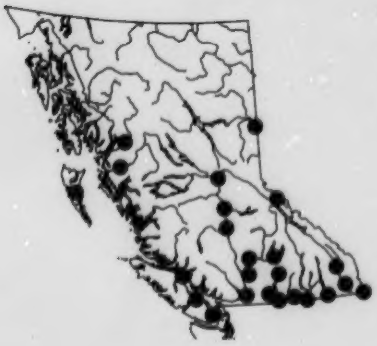
Poa arctica ssp. *arctica*



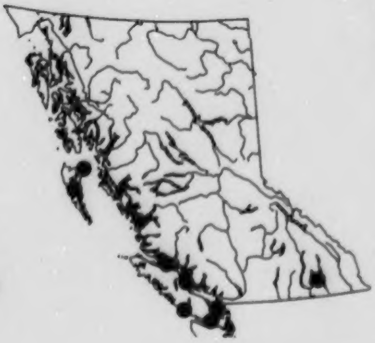
Poa arctica ssp. *lanata*



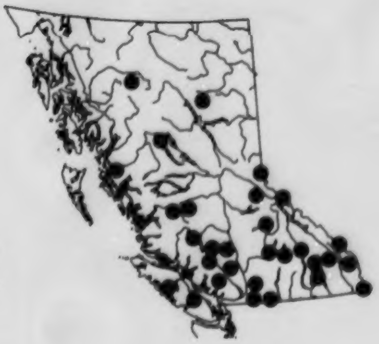
Poa bulbosa ssp. *vivipara*



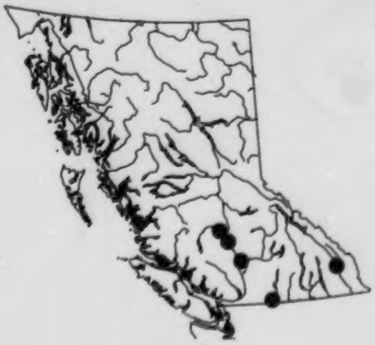
Poa compressa



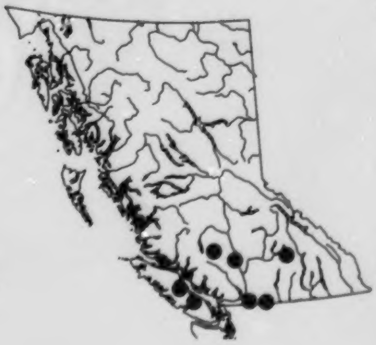
Poa confinis



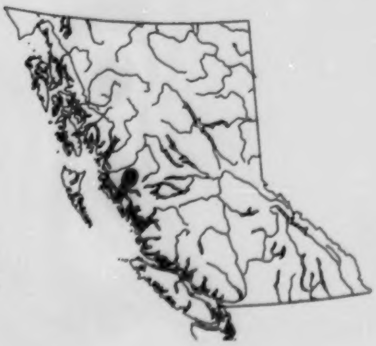
Poa cusickii* ssp. *epilis



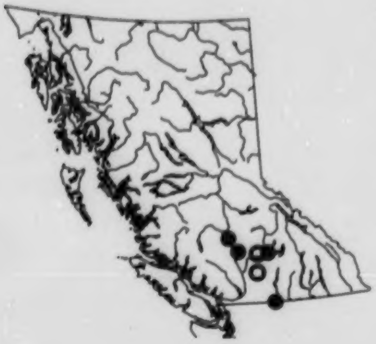
Poa cusickii* ssp. *pallida



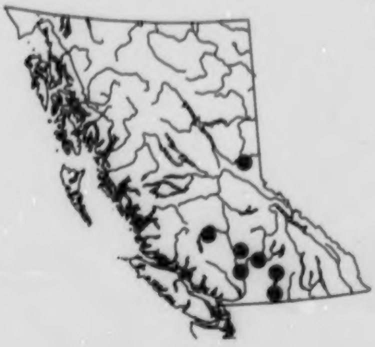
Poa cusickii
ssp. *purpurascens*



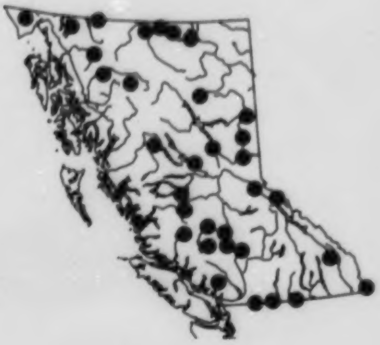
Poa eminens



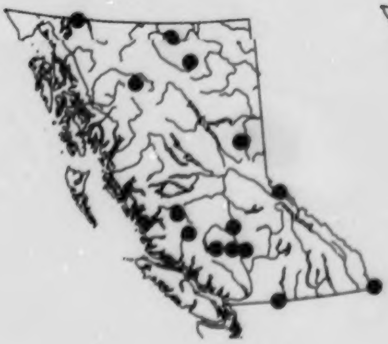
Poa fendleriana
ssp. *fendleriana*



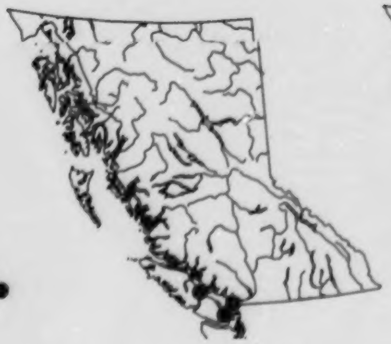
Poa fendleriana
ssp. *longiligula*



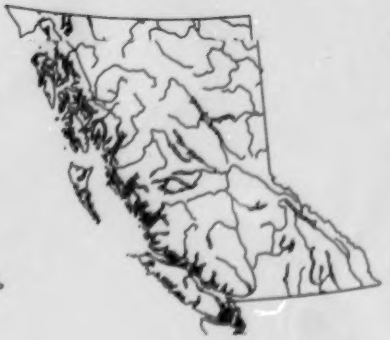
Poa glauca* ssp. *glauca



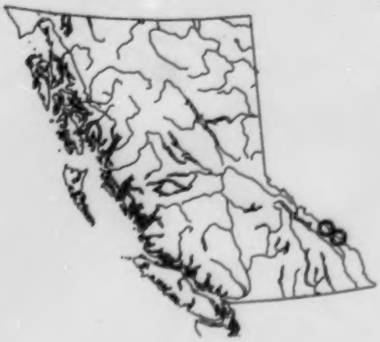
Poa glauca ssp. *rupicola*



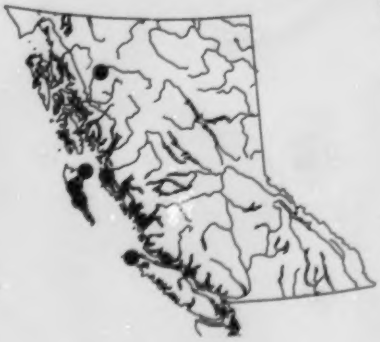
Poa howellii



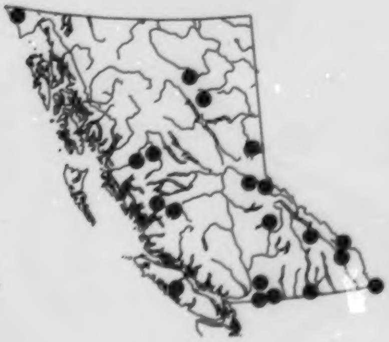
Poa infirma



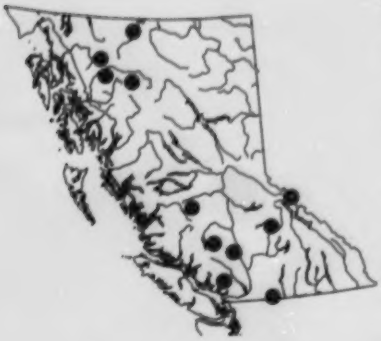
Poa laxa ssp. *banffiana*



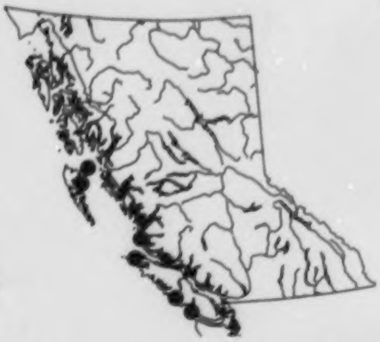
Poa laxiflora



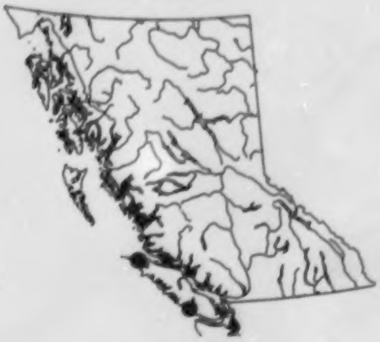
Poa leptocoma



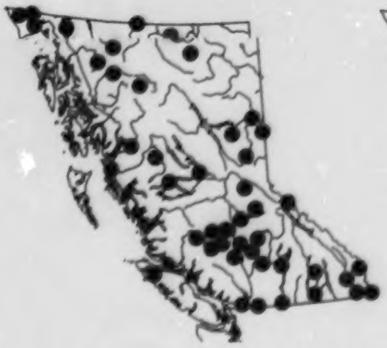
Poa lettermanii



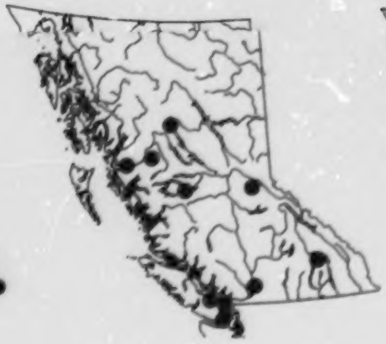
Poa macrantha



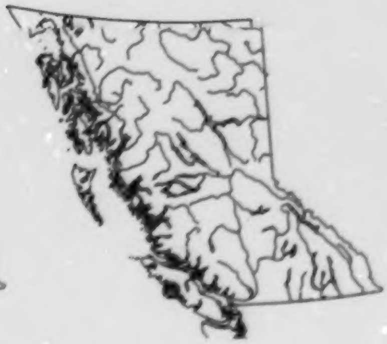
Poa marcida



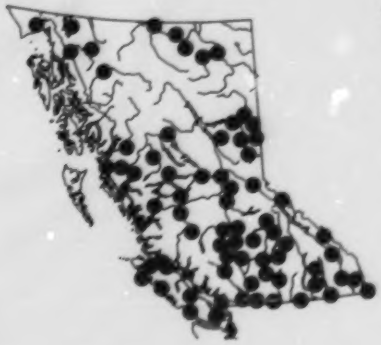
Poa nemoralis ssp. *interior*



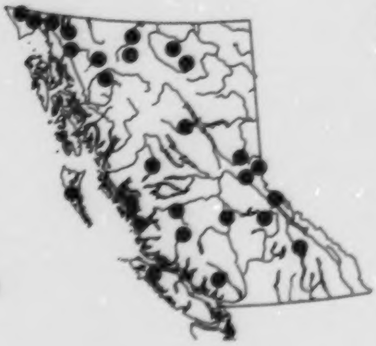
Poa nemoralis ssp. *nemoralis*



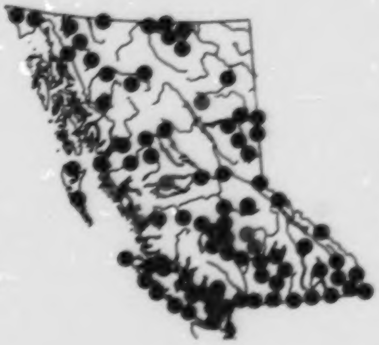
Poa nervosa



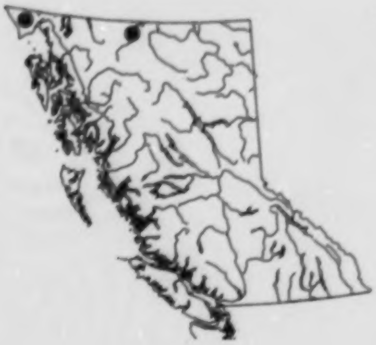
Poa palustris



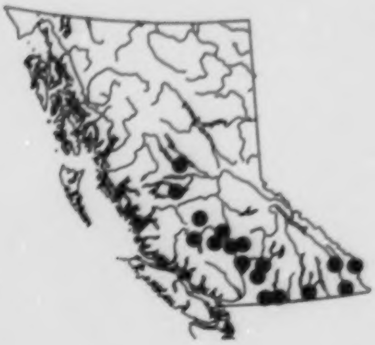
Poa paucispicula



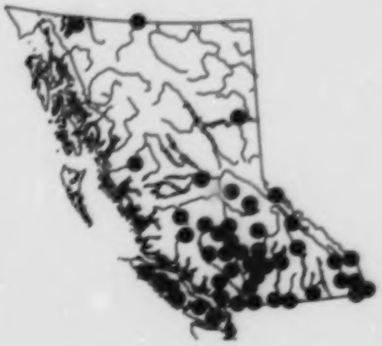
Poa pratensis sensu lato



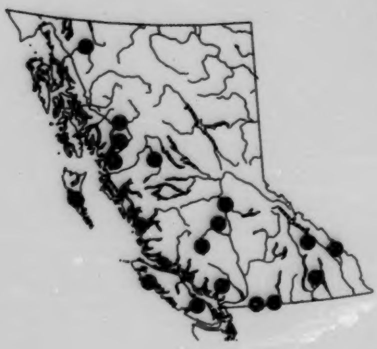
Poa pseudoabbreviata



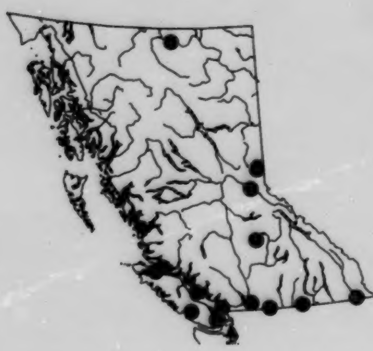
Poa secunda ssp. *juncifolia*



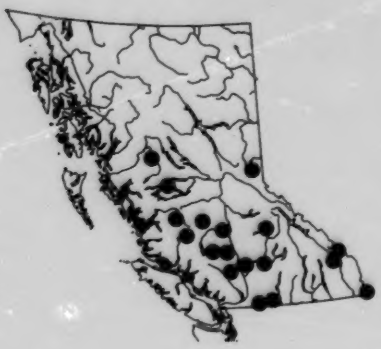
Poa secunda ssp. *secunda*



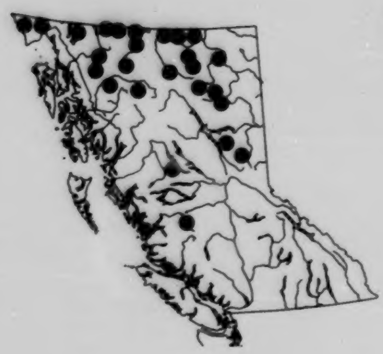
Poa stenantha var. *stenantha*



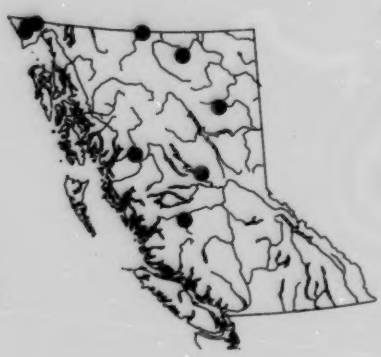
Poa trivialis



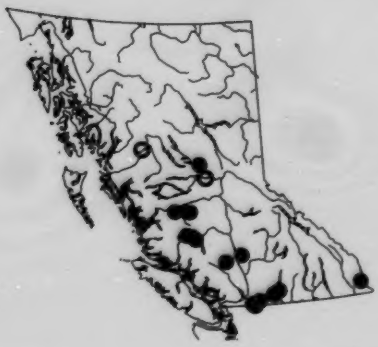
Poa wheeleri



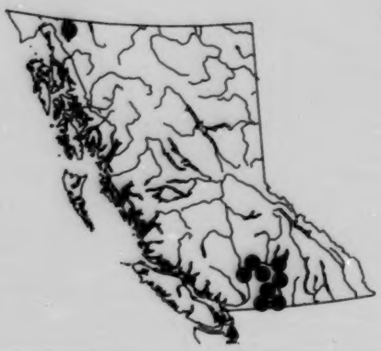
Polemonium acutiflorum



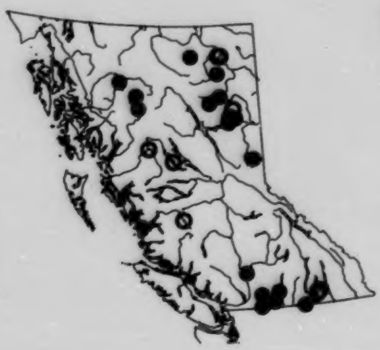
Polemonium boreale



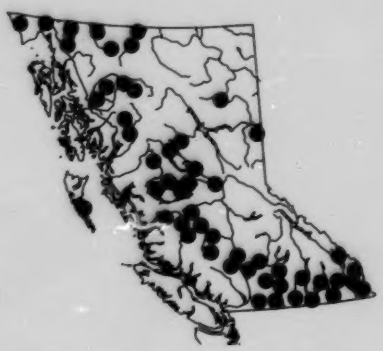
Polemonium elegans



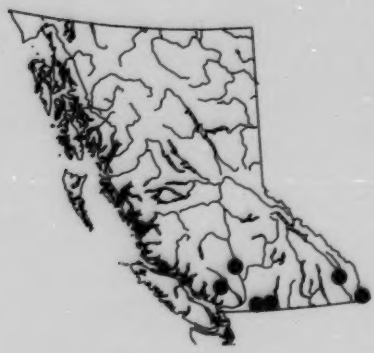
Polemonium micranthum



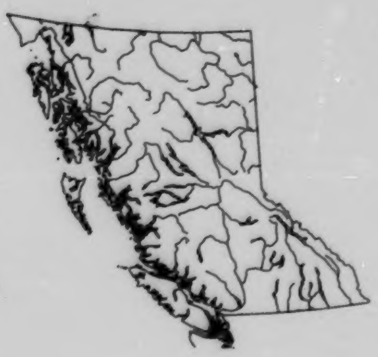
Polemonium occidentale ssp. *occidentale*



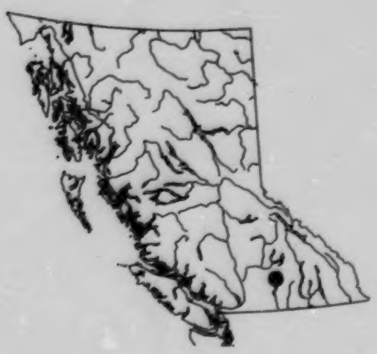
Polemonium pulcherrimum var. *pulcherrimum*



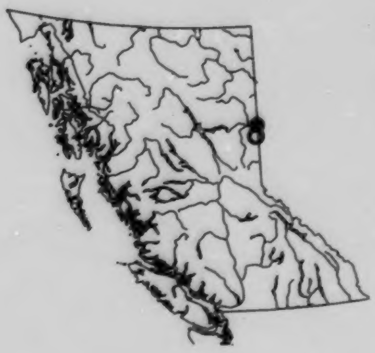
Polemonium viscosum



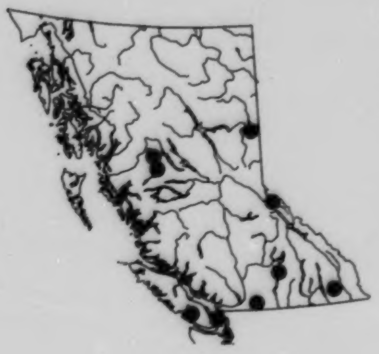
Polycarpon tetraphyllum



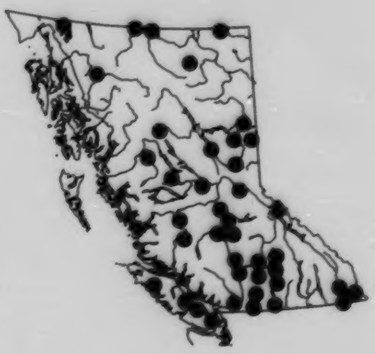
Polycnemum arvense



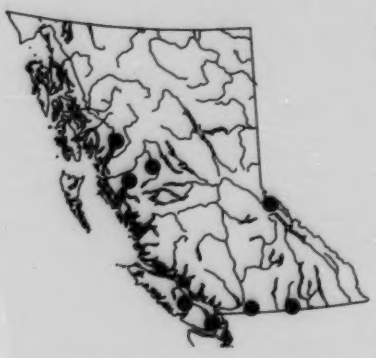
Polygala senega



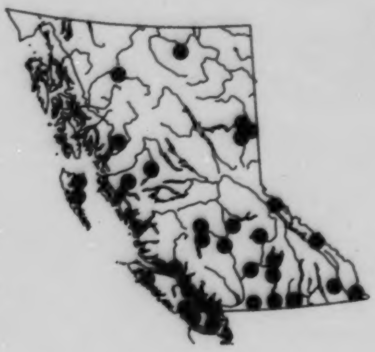
Polygonum achoreum



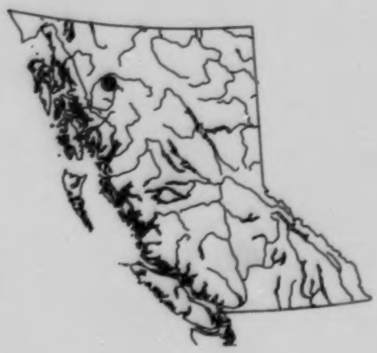
Polygonum amphibium
sensu lato



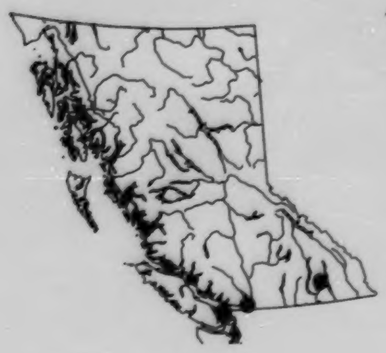
Polygonum arenastrum



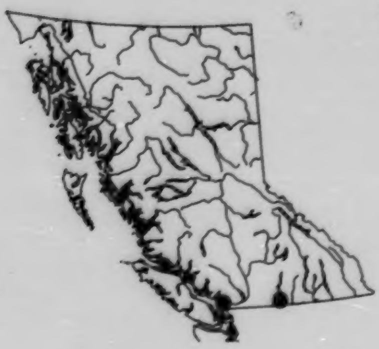
Polygonum aviculare



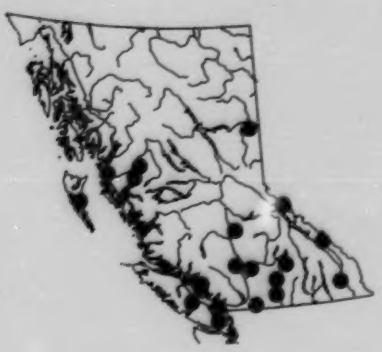
Polygonum bistorta
ssp. plumosum



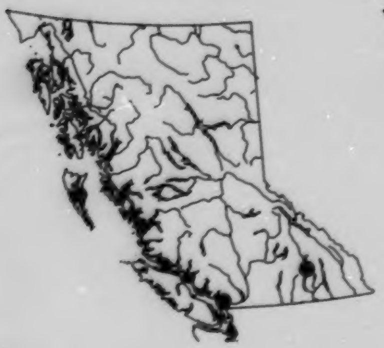
Polygonum bistortoides



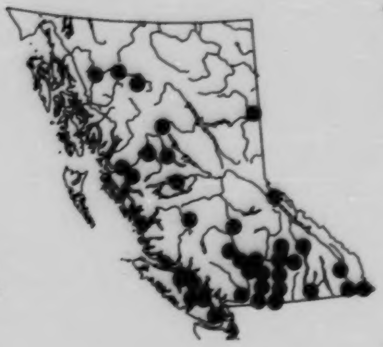
Polygonum buxiforme



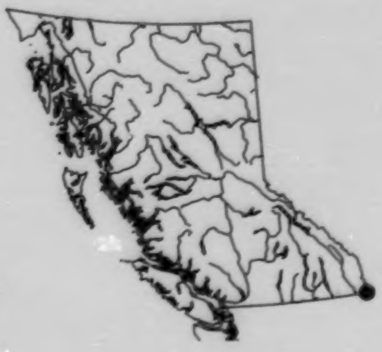
Polygonum convolvulus



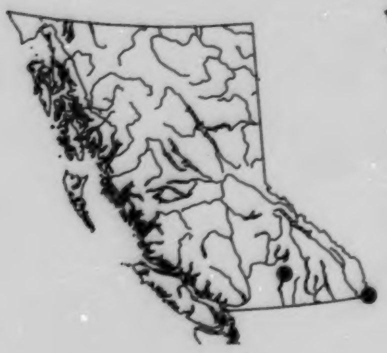
Polygonum cuspidatum



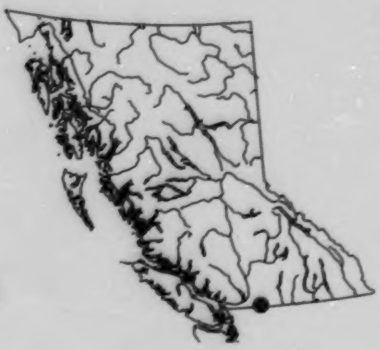
Polygonum douglasii
sensu lato



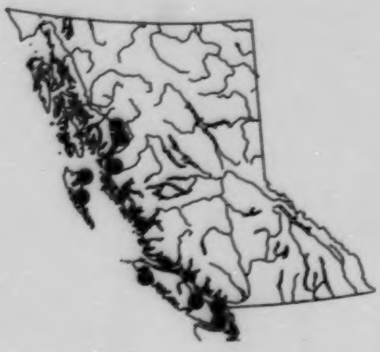
Polygonum douglasii
ssp. *austiniae*



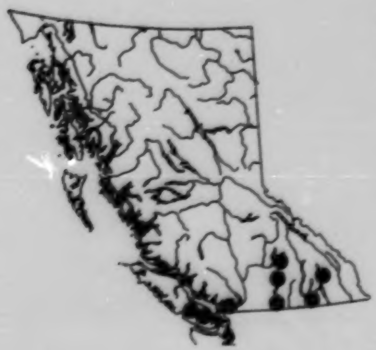
Polygonum douglasii
ssp. *engelmannii*



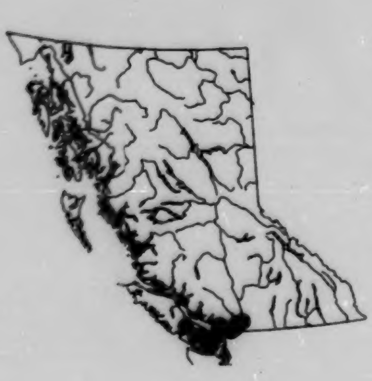
Polygonum douglasii
ssp. *johnstonii*



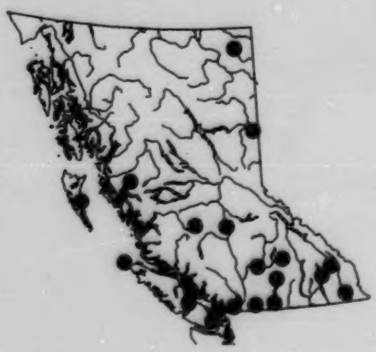
Polygonum fowleri



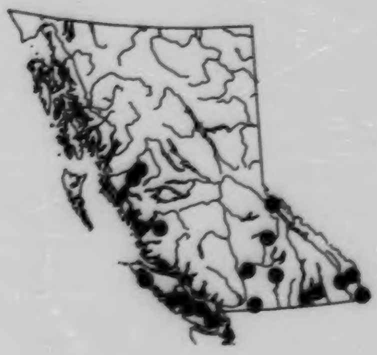
Polygonum hydropiper



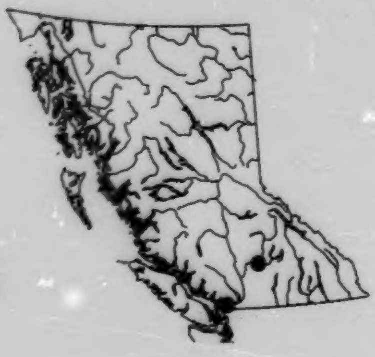
Polygonum hydropiperoides



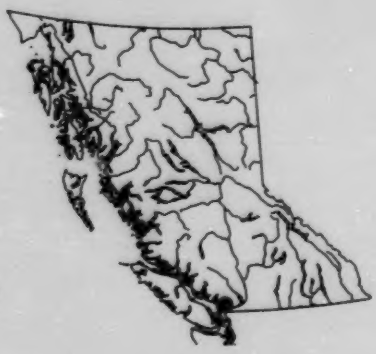
Polygonum lapathifolium



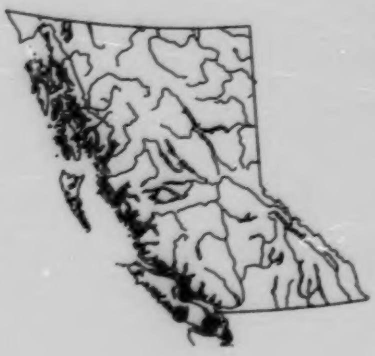
Polygonum minimum



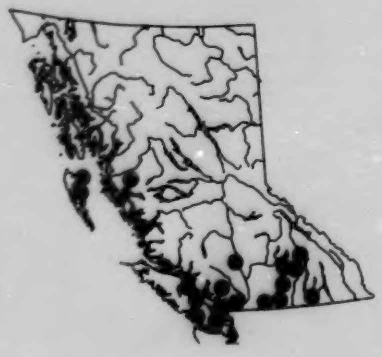
Polygonum minus



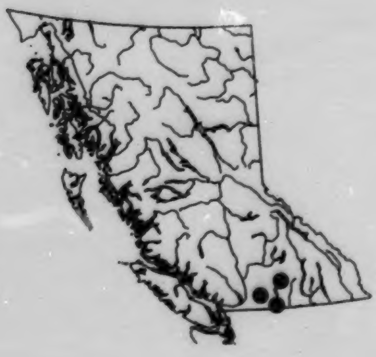
Polygonum nepalense



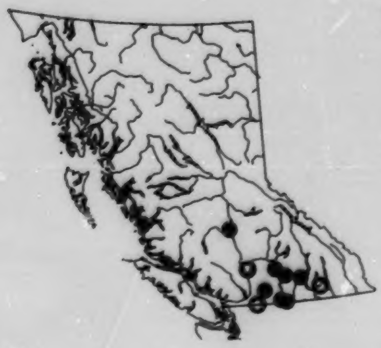
Polygonum paronychia



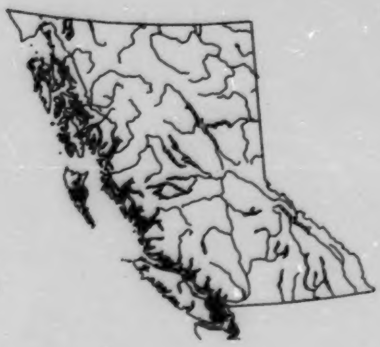
Polygonum persicaria



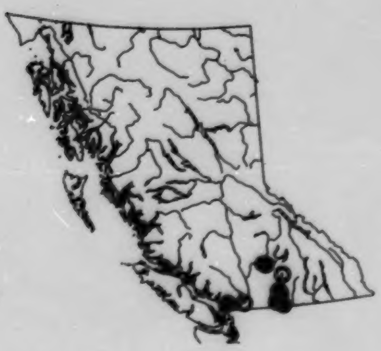
Polygonum polygaloides
ssp. *confertiflorum*



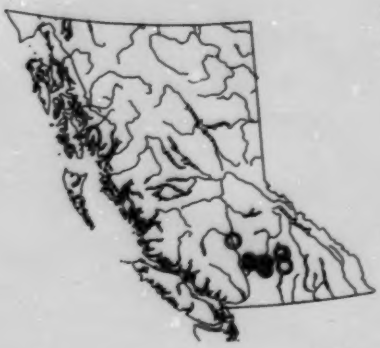
Polygonum polygaloides* ssp. *kelloggii



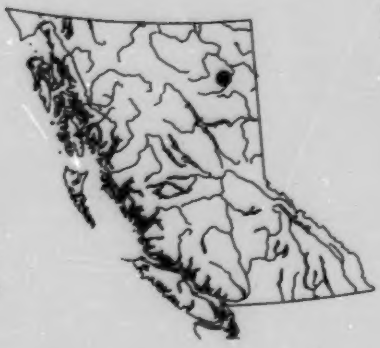
Polygonum polystachyum



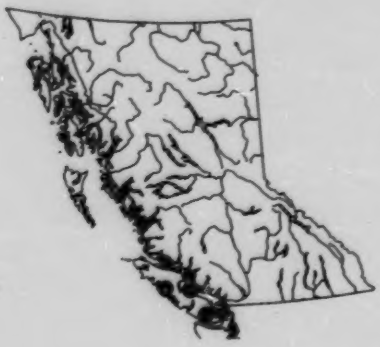
Polygonum punctatum



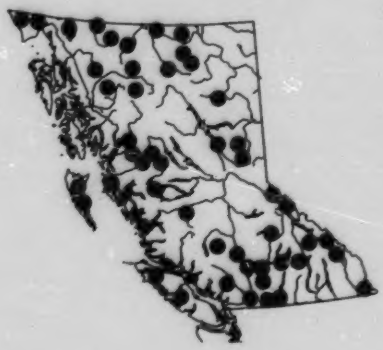
Polygonum ramosissimum* var. *prolificum



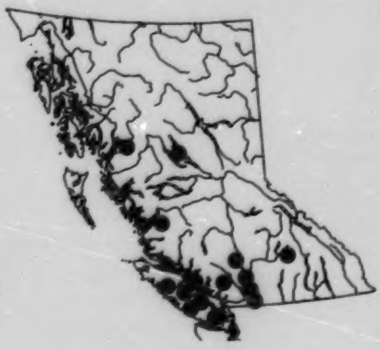
Polygonum ramosissimum* var. *ramosissimum



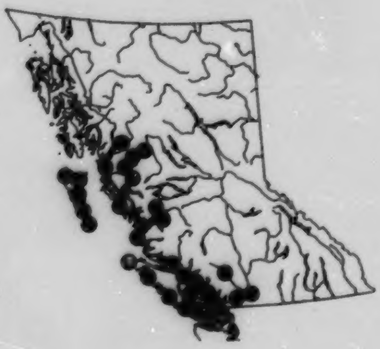
Polygonum sachalinense



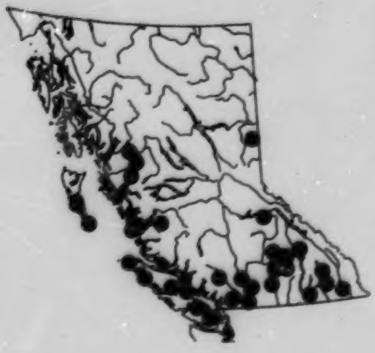
Polygonum viviparum



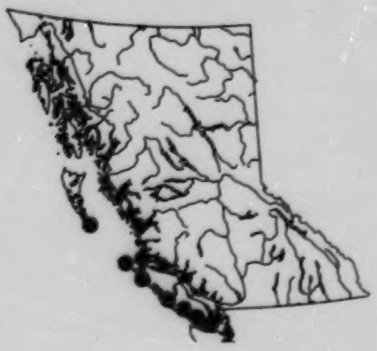
Polypodium amorphum



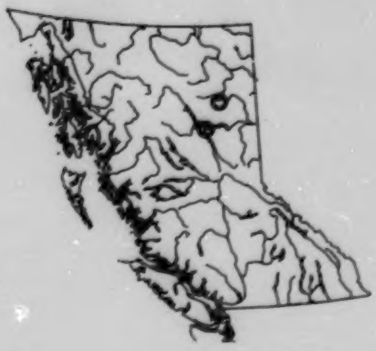
Polypodium glycyrrhiza



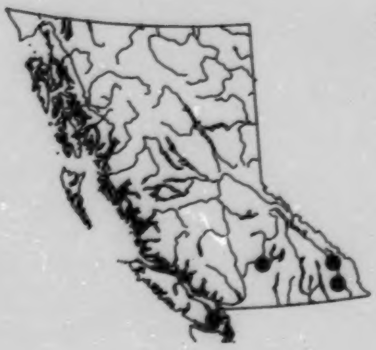
Polypodium hesperium



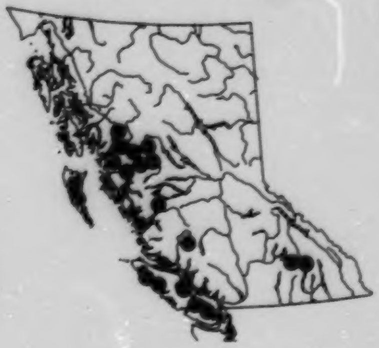
Polypodium scouleri



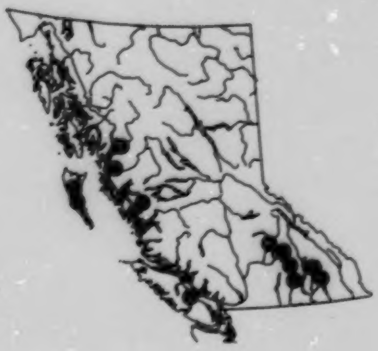
Polypodium sibiricum



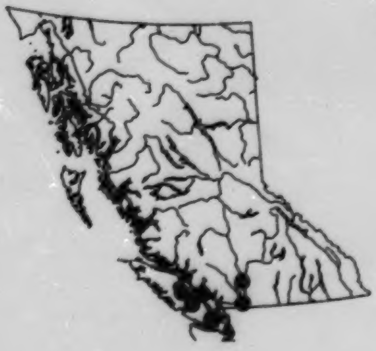
Polypogon monspeliensis



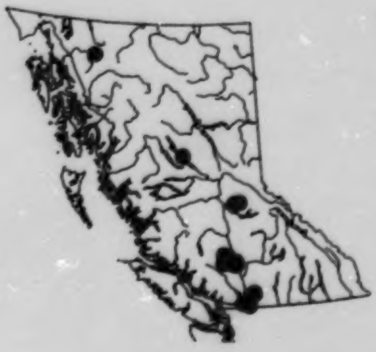
Polystichum andersonii



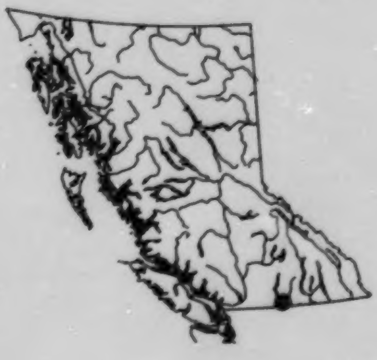
Polystichum braunii



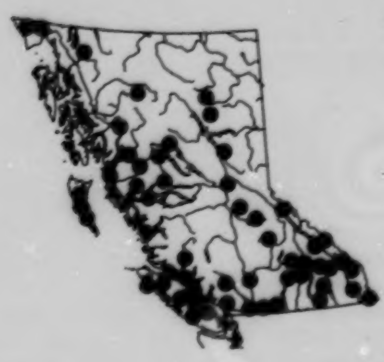
Polystichum imbricans ssp. *imbricans*



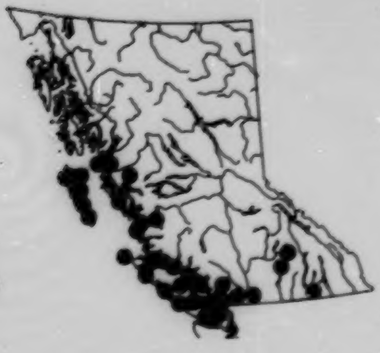
Polystichum kruckebergii



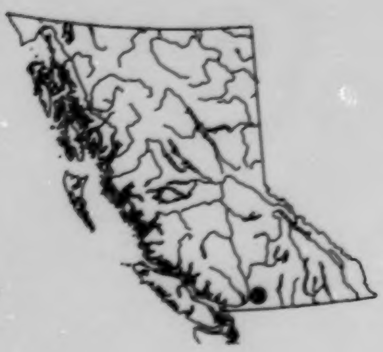
Polystichum lemmonii



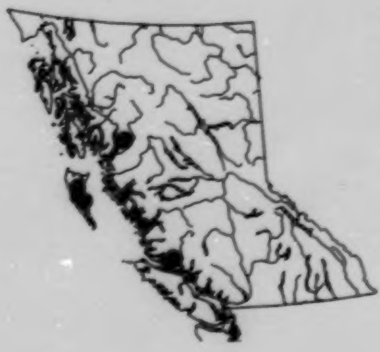
Polystichum lonchitis



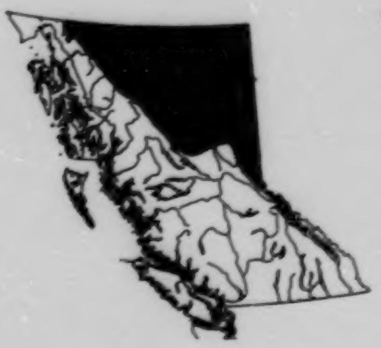
Polystichum munitum



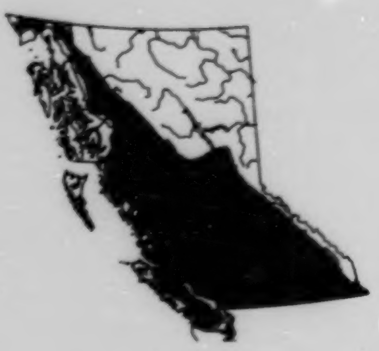
Polystichum scopulinum



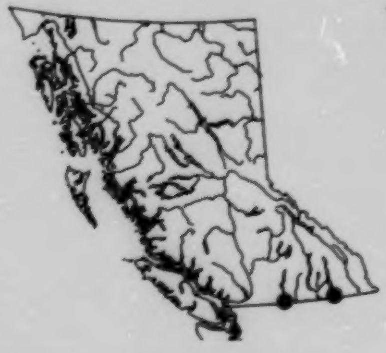
Polystichum setigerum



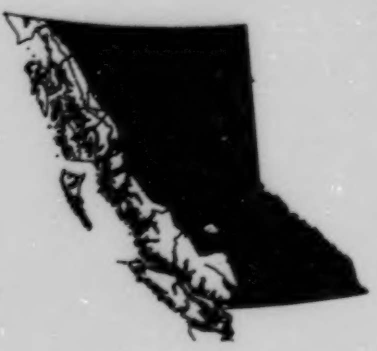
Populus balsamifera
ssp. *balsamifera*



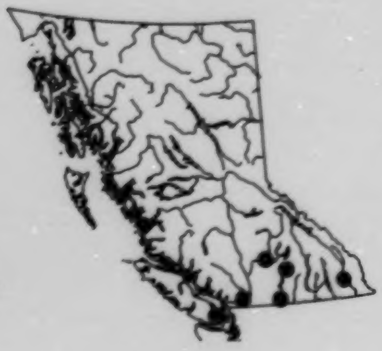
Populus balsamifera
ssp. *trichocarpa*



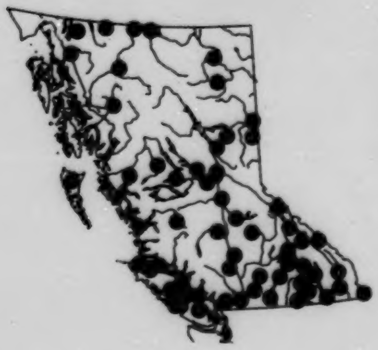
Populus deltoides sensu lato



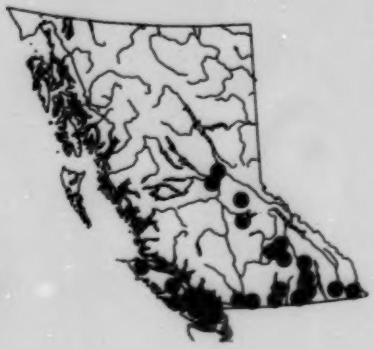
Populus tremuloides



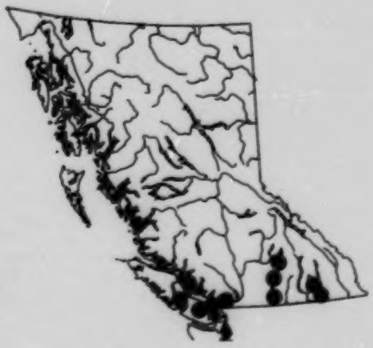
Portulaca oleracea



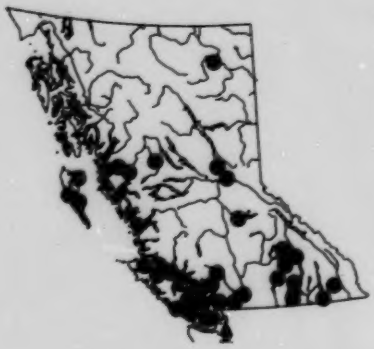
Potamogeton alpinus



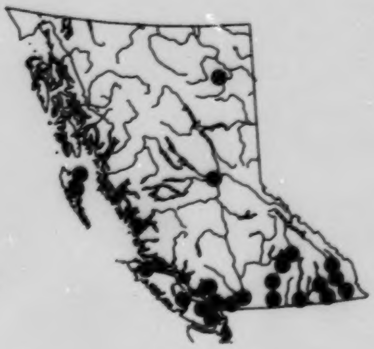
Potamogeton amplifolius



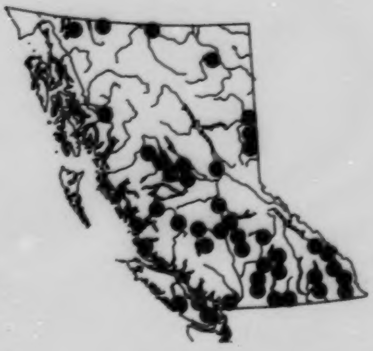
Potamogeton crispus



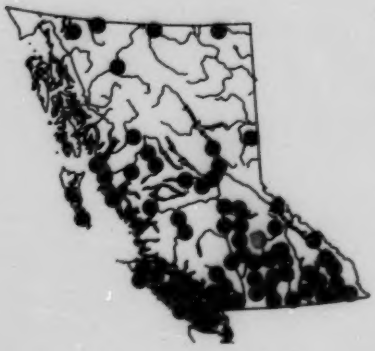
Potamogeton epihydrus



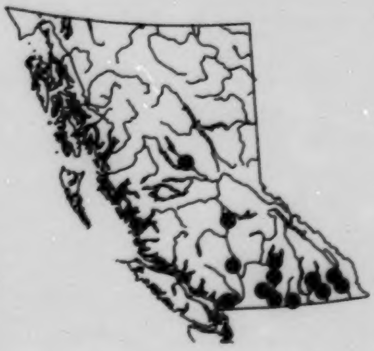
Potamogeton foliosus



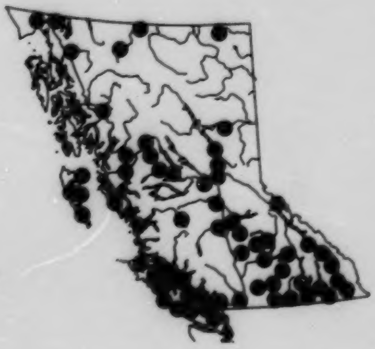
Potamogeton friesii



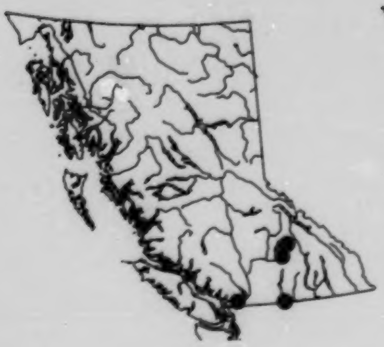
Potamogeton gramineus



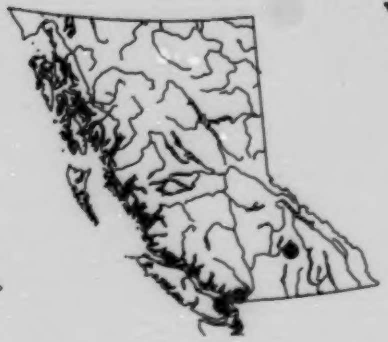
Potamogeton illinoensis



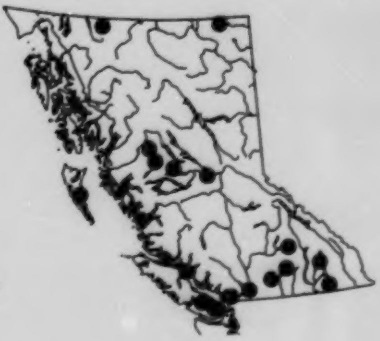
Potamogeton natans



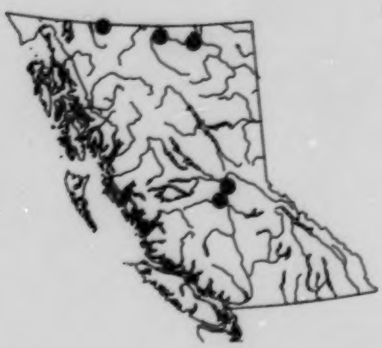
Potamogeton nodosus



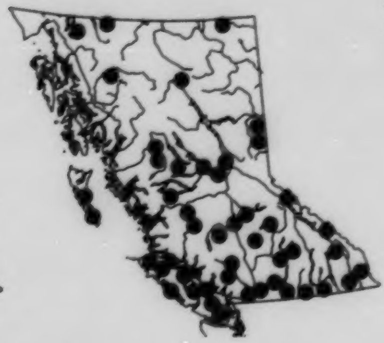
Potamogeton oakesianus



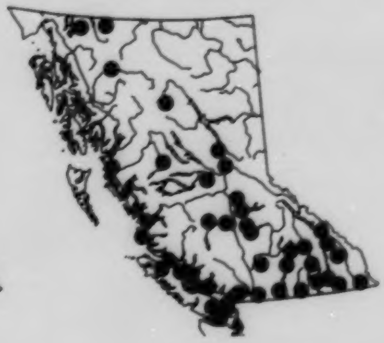
Potamogeton obtusifolius



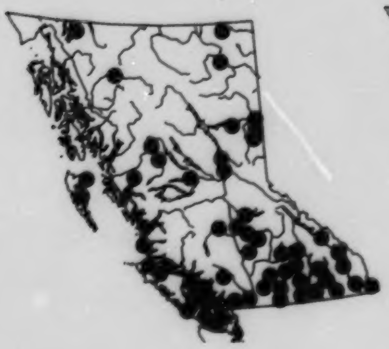
Potamogeton perfoliatus



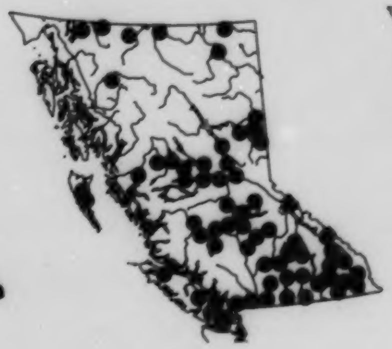
Potamogeton praelongus



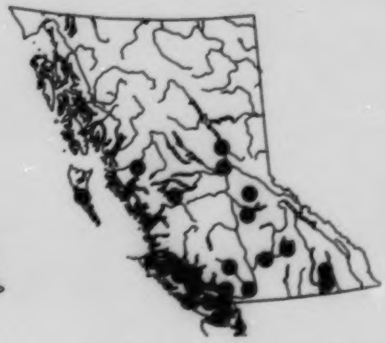
Potamogeton pusillus
ssp. pusillus



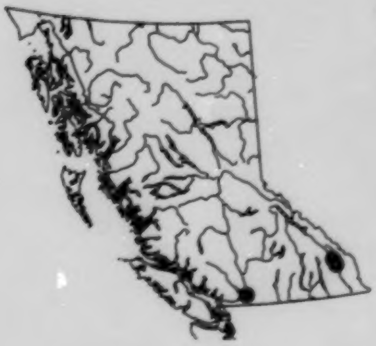
Potamogeton pusillus
ssp. tenuissimus



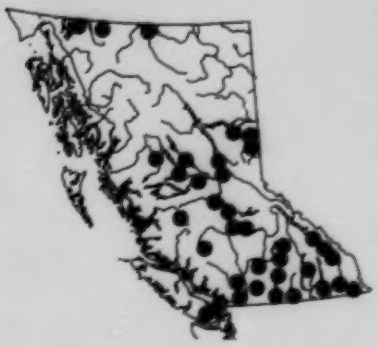
Potamogeton richardsonii



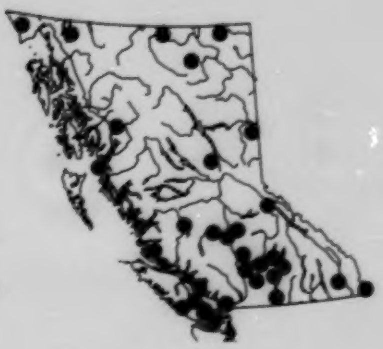
Potamogeton robbinsii



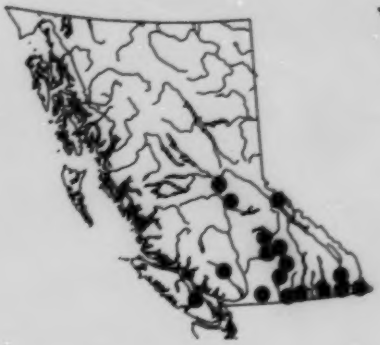
Potamogeton strictifolius



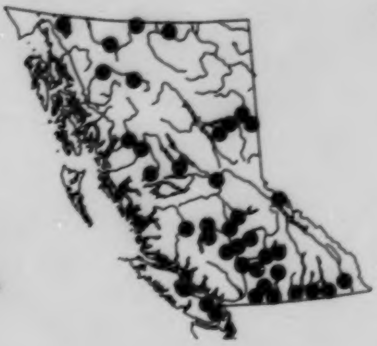
Potamogeton zosteriformis



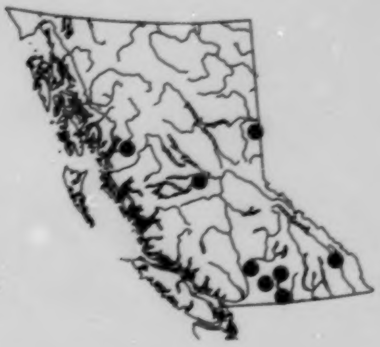
Potentilla anserina



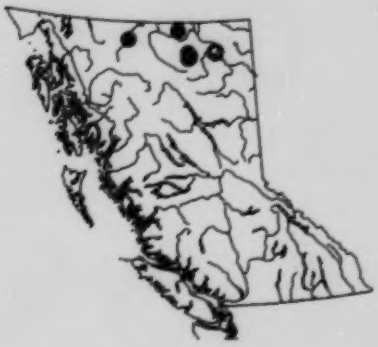
Potentilla argentea



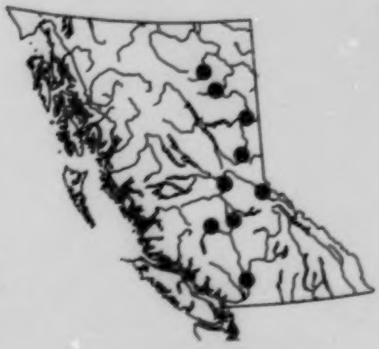
Potentilla arguta
ssp. *convallaria*



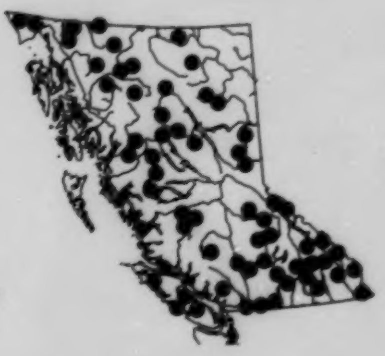
Potentilla biennis



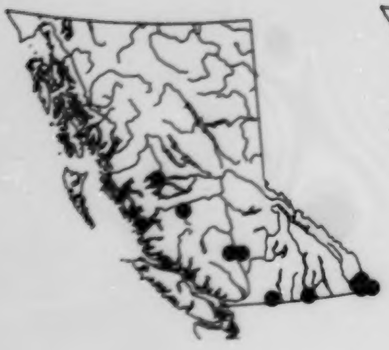
Potentilla biflora



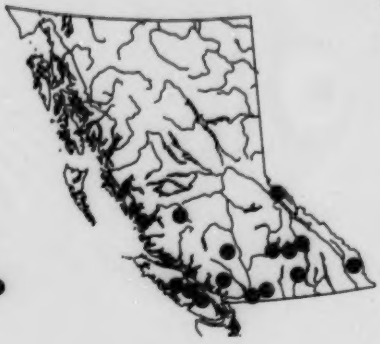
Potentilla bipinnatifida



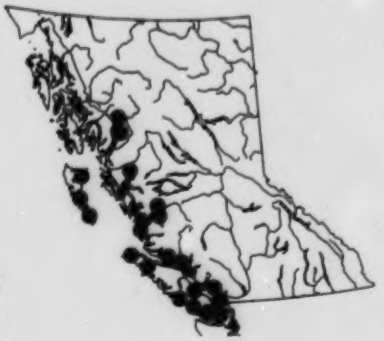
Potentilla diversifolia
var. *diversifolia*



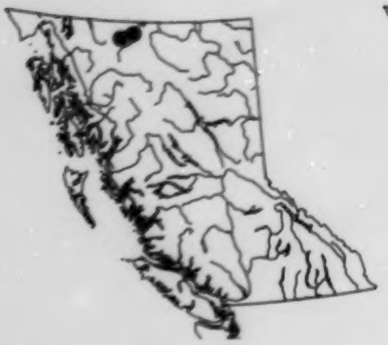
Potentilla diversifolia
var. *perdissecta*



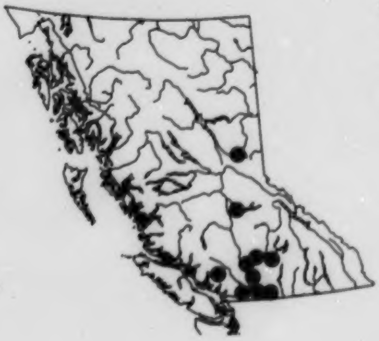
Potentilla drummondii
ssp. *drummondii*



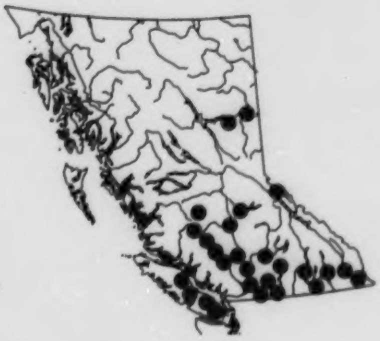
Potentilla egedii



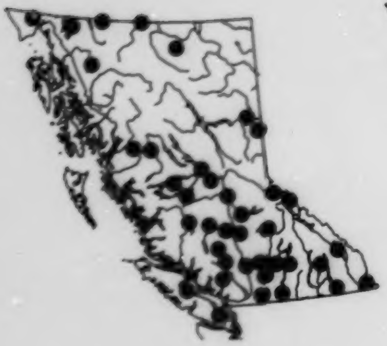
Potentilla elegans



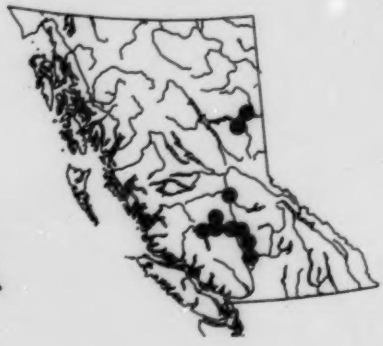
Potentilla flabellifolia



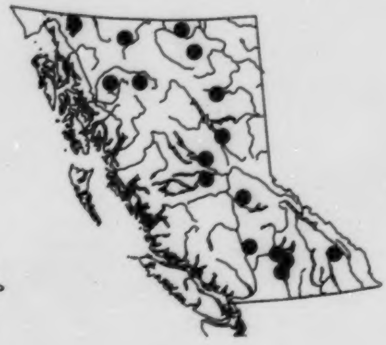
Potentilla glandulosa
sensu lato



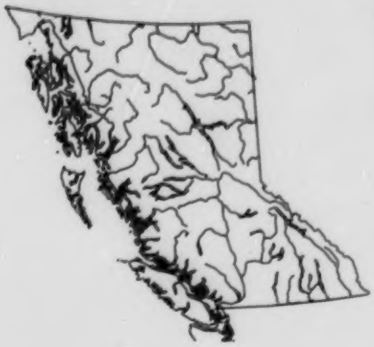
Potentilla gracilis sensu lato



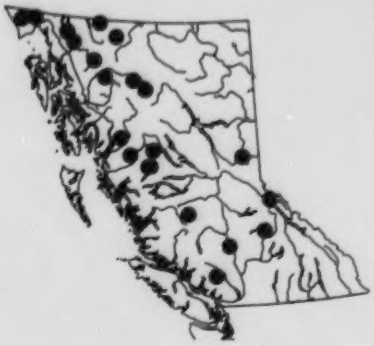
Potentilla hippiana
var. *hippiana*



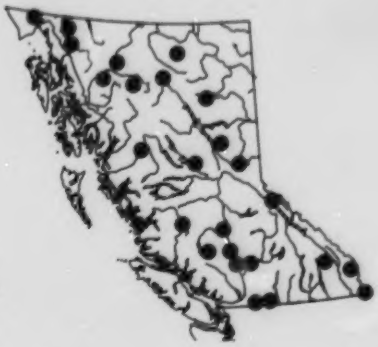
Potentilla hookeriana
ssp. *hookeriana*



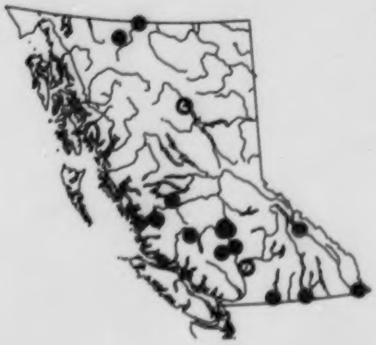
Potentilla intermedia



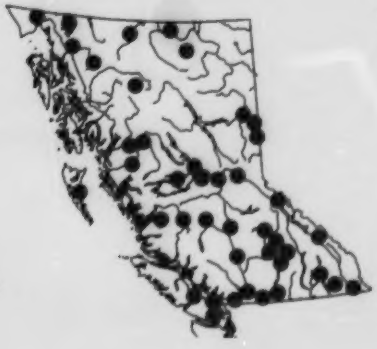
Potentilla nana



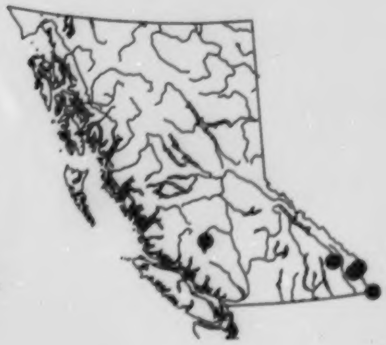
Potentilla nivea var. *nivea*



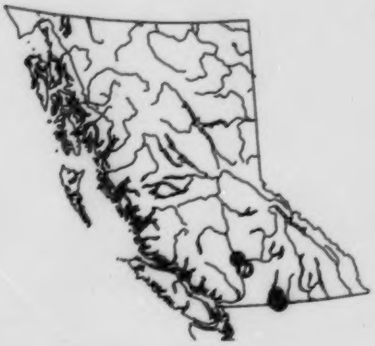
Potentilla nivea var. *pentaphylla*



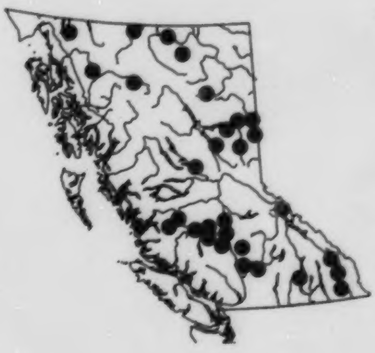
Potentilla norvegica



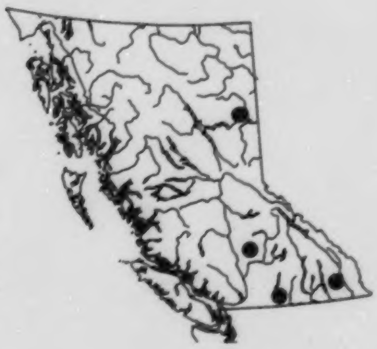
Potentilla ovina var. *ovina*



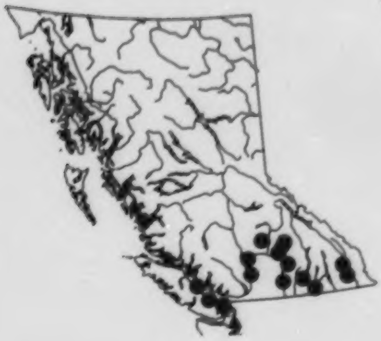
Potentilla paradoxa



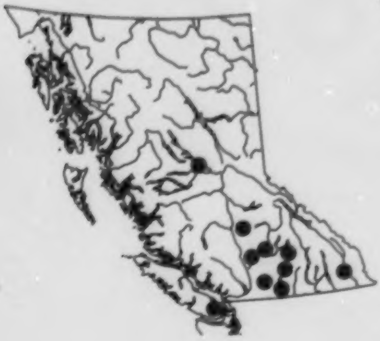
Potentilla pensylvanica
var. *pensylvanica*



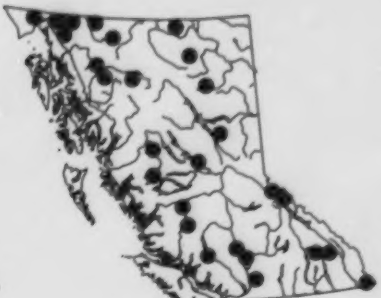
Potentilla pulcherrima



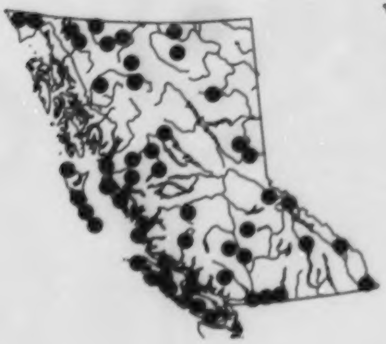
Potentilla recta



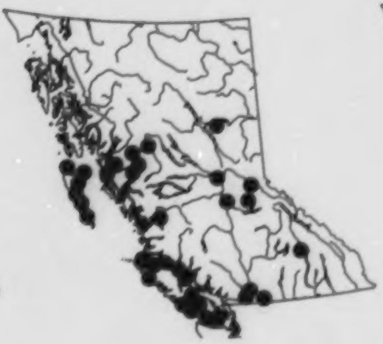
Potentilla rivalis



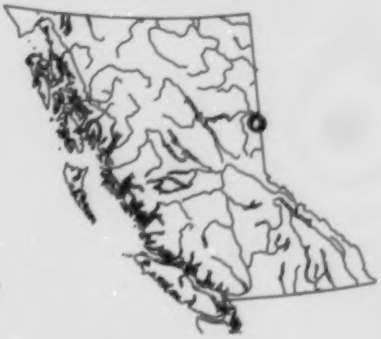
Potentilla uniflora



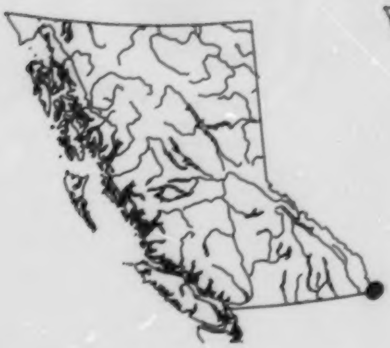
Potentilla villosa



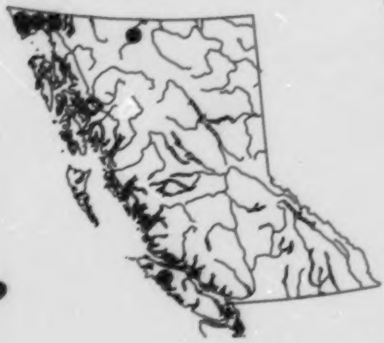
Prenanthes alata



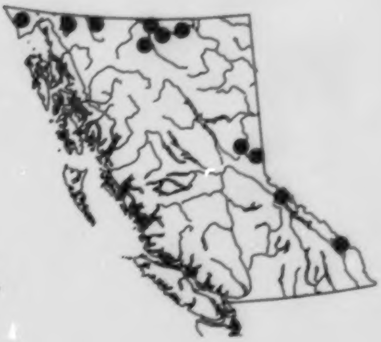
Prenanthes racemosa
ssp. multiflora



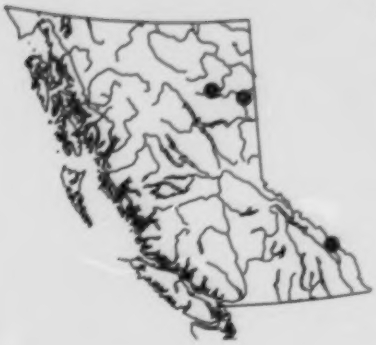
Prenanthes sagittata



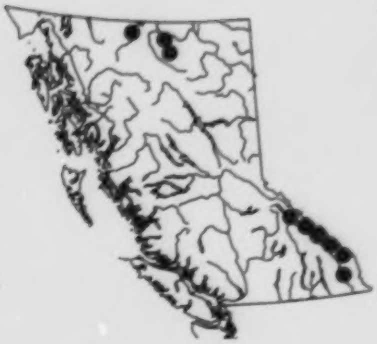
Primula cuneifolia
ssp. saxifragifolia



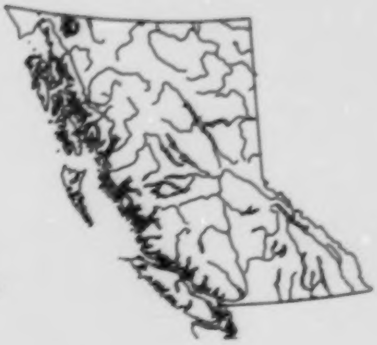
Primula egaliksensis



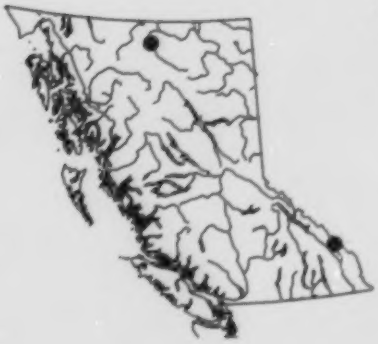
Primula incana



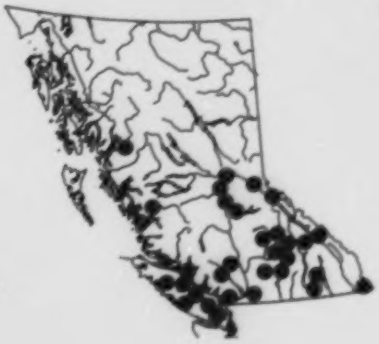
Primula mistassinica



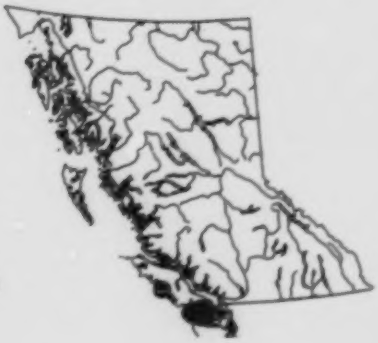
Primula nutans



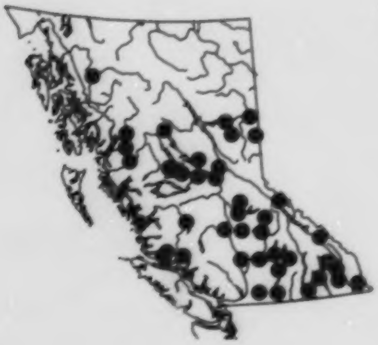
Primula stricta



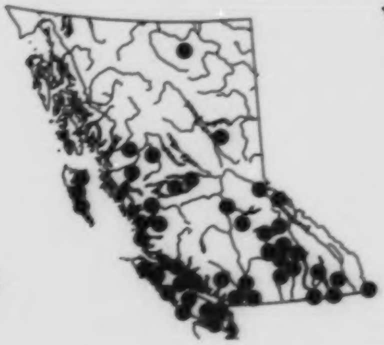
Prosartes hookeri
var. oregana



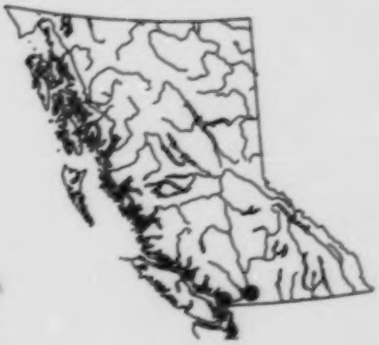
Prosartes smithii



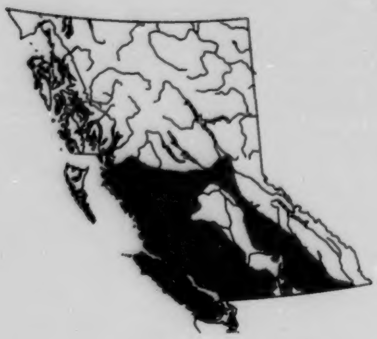
Prosartes trachycarpa



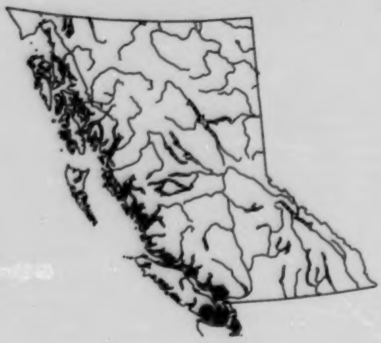
Prunella vulgaris
sensu lato



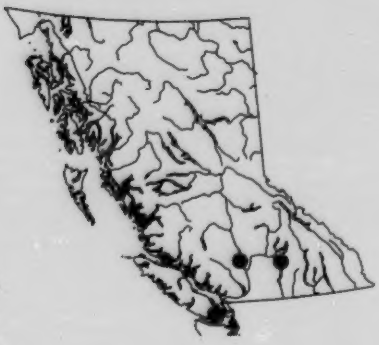
Prunus avium



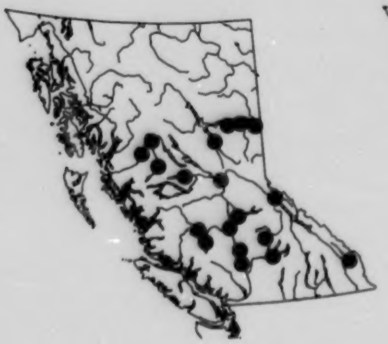
Prunus emarginata



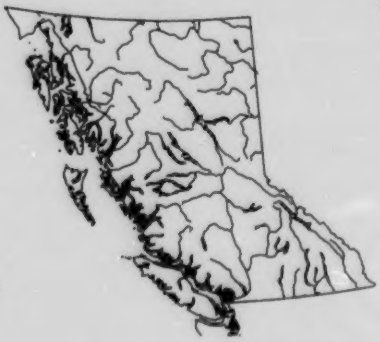
Prunus laurocerasus



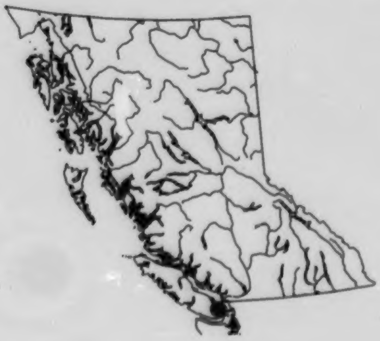
Prunus mahaleb



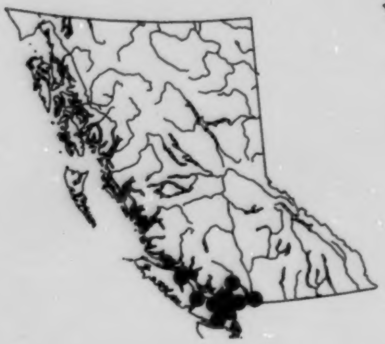
Prunus pensylvanica



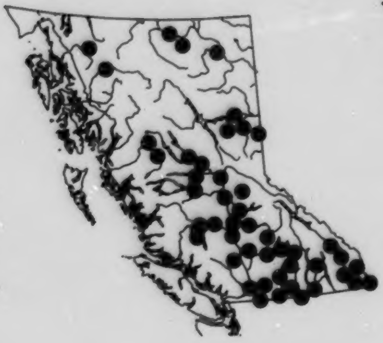
Prunus serotina



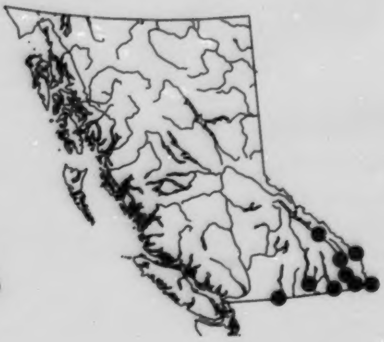
Prunus spinosa



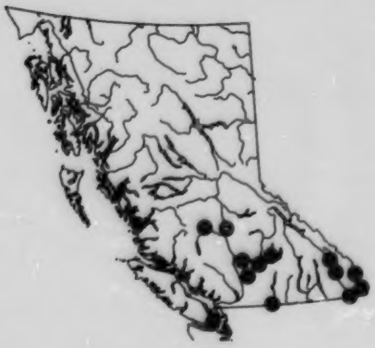
Prunus virginiana
ssp. *demissa*



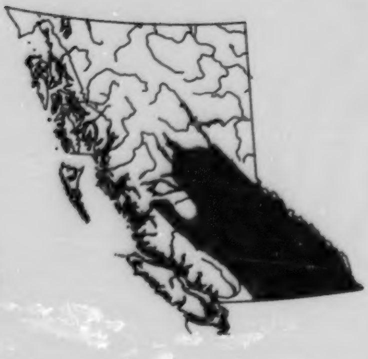
Prunus virginiana
ssp. *melanocarpa*



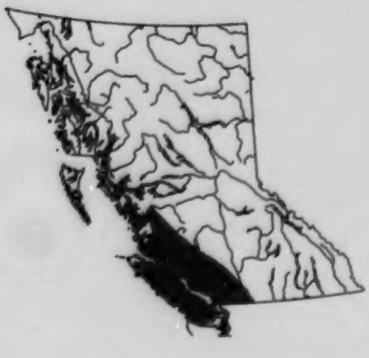
Pseudoroegneria spicata
ssp. *inermis*



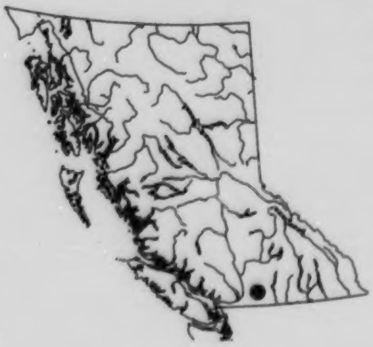
Pseudoroegneria spicata
ssp. *spicata*



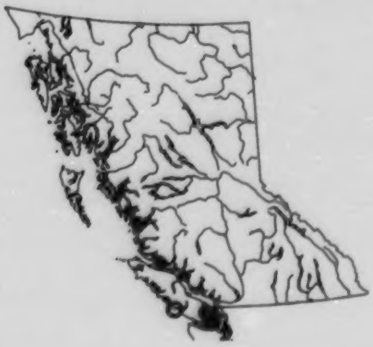
Pseudotsuga menziesii
var. *glauca*



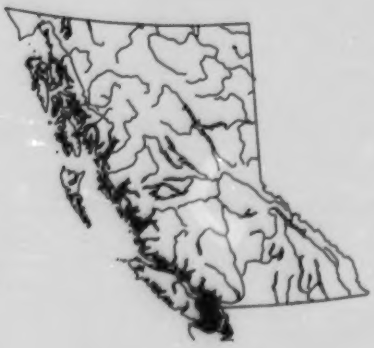
Pseudotsuga menziesii
var. *menziesii*



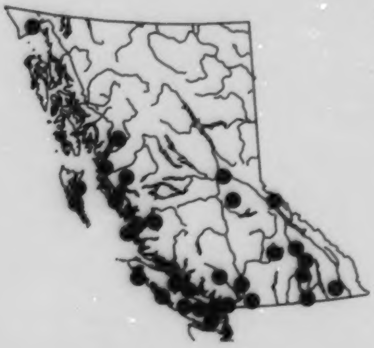
Psilocarphus brevissimus
var. *brevissimus*



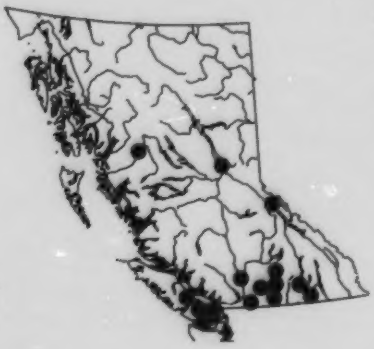
Psilocarphus elatior



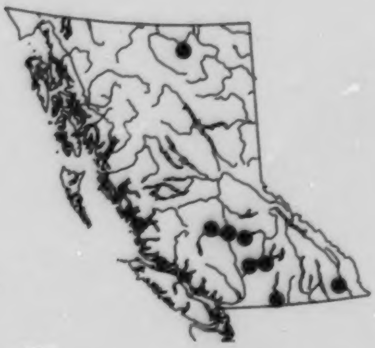
Psilocarphus tenellus
var. *tenellus*



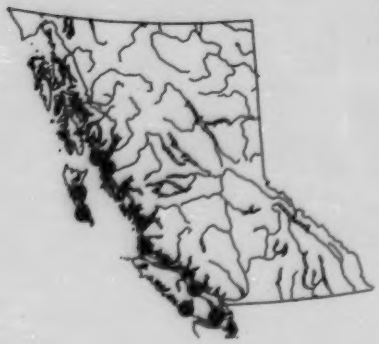
Pteridium aquilinum
sensu lato



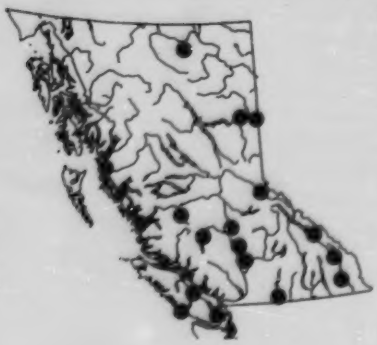
Pterospora andromedea



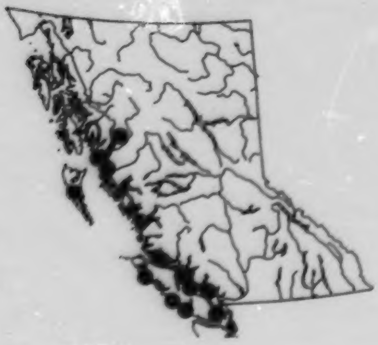
Puccinellia distans



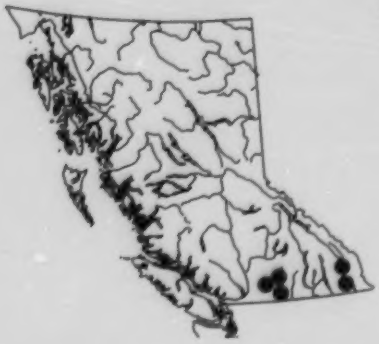
Puccinellia nutkaensis



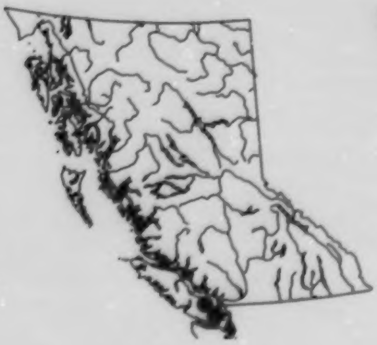
Puccinellia nuttalliana



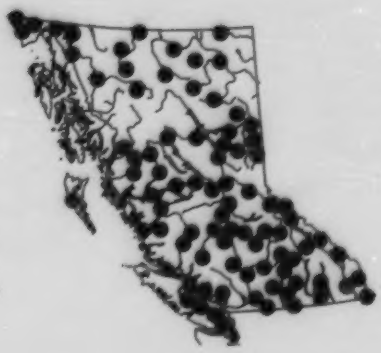
Puccinellia pumila



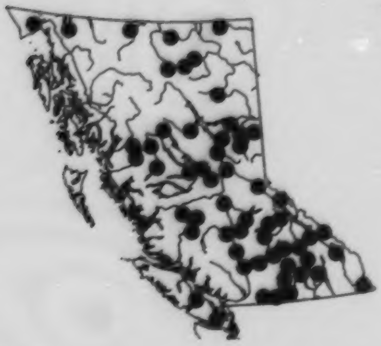
Purshia tridentata



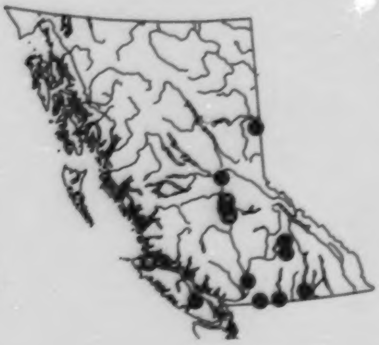
Pyracantha coccinea



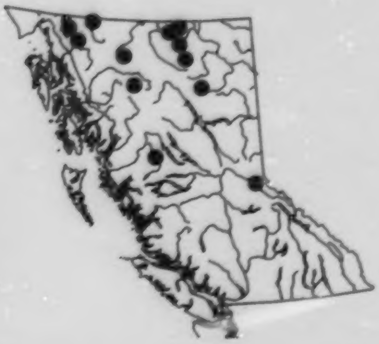
Pyrola asarifolia



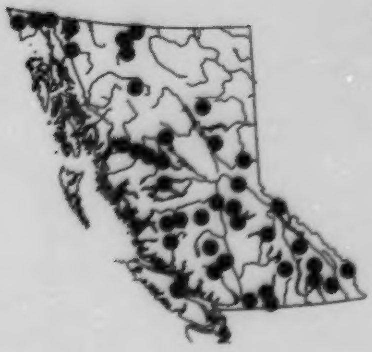
Pyrola chlorantha



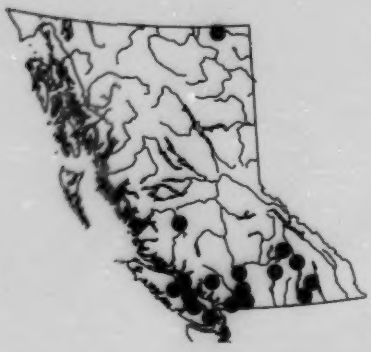
Pyrola elliptica



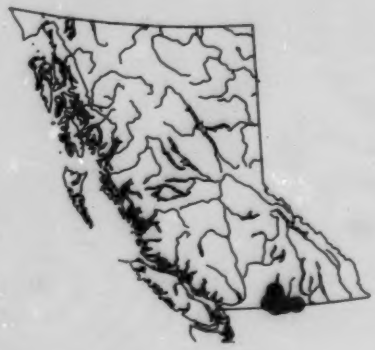
Pyrola grandiflora



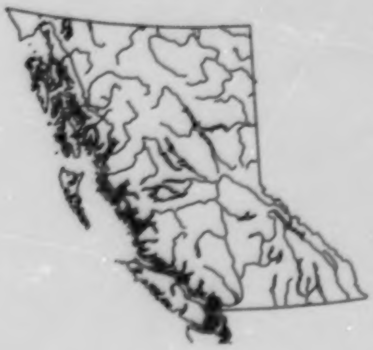
Pyrola minor



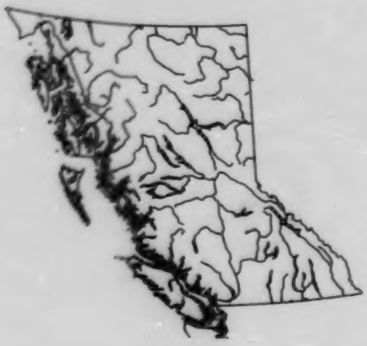
Pyrola picta



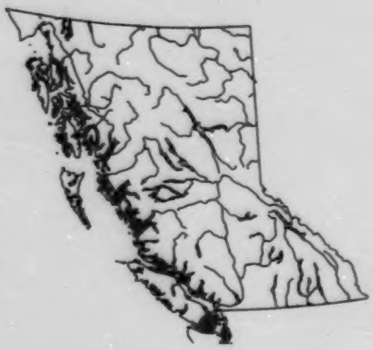
Pyrrocoma carthamoides
var. *carthamoides*



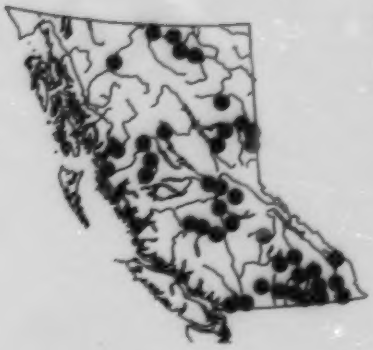
Pyrus communis



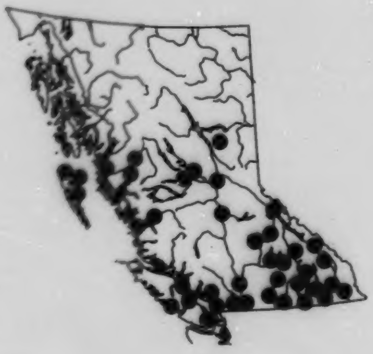
Quercus garryana



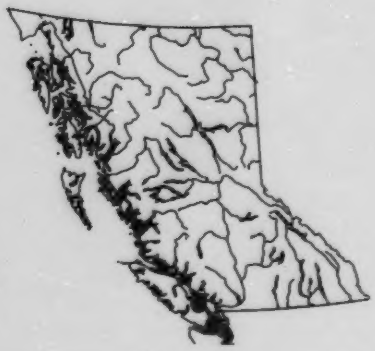
Quercus robur



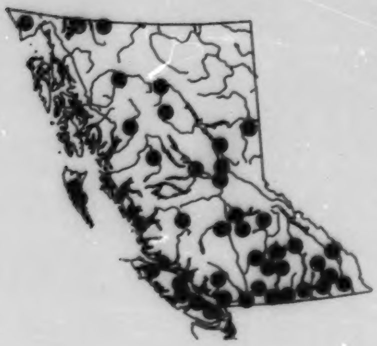
Ranunculus abortivus



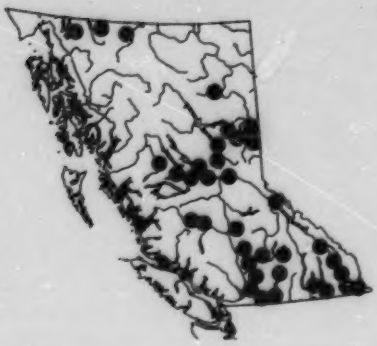
Ranunculus acris



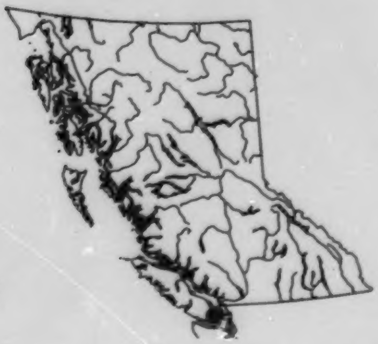
Ranunculus alismifolius
var. *alismifolius*



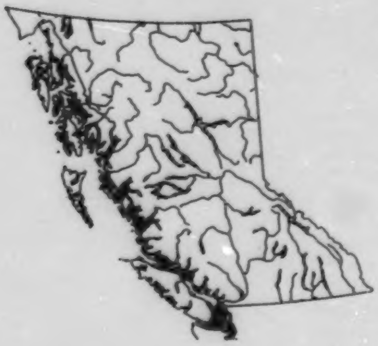
Ranunculus aquatilis
var. *aquatilis*



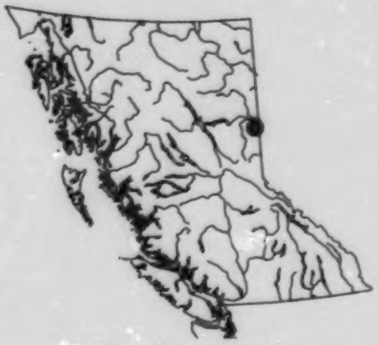
Ranunculus aquatilis
var. *diffusus*



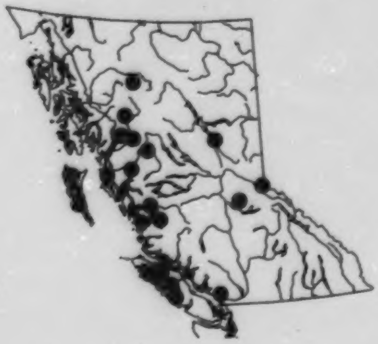
Ranunculus bulbosus



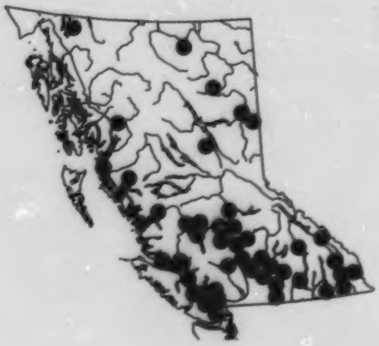
Ranunculus californicus



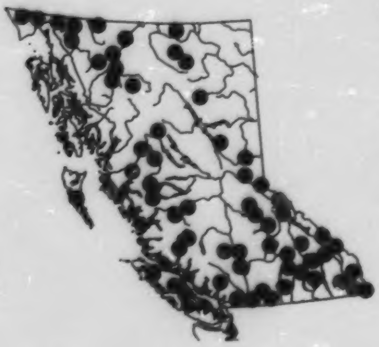
Ranunculus cardiophyllus



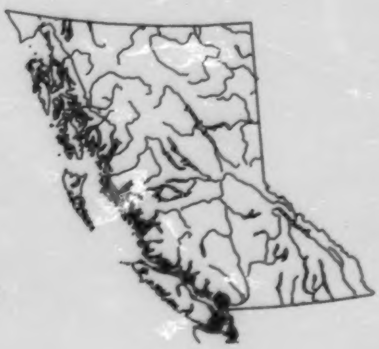
Ranunculus cooleyae



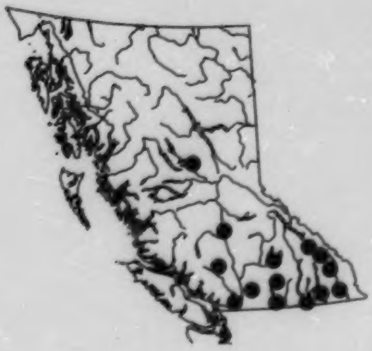
Ranunculus cymbalaria



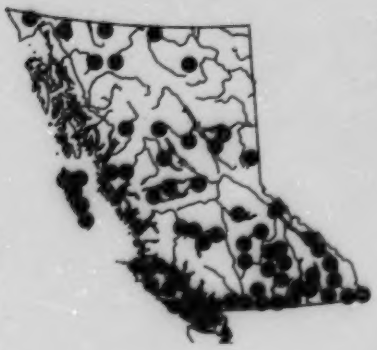
Ranunculus eschscholtzii



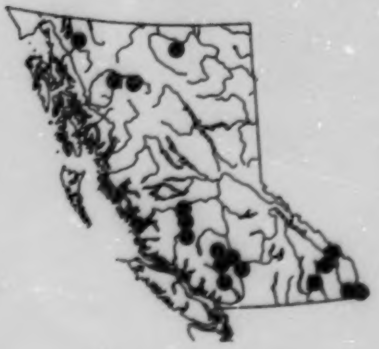
Ranunculus ficaria



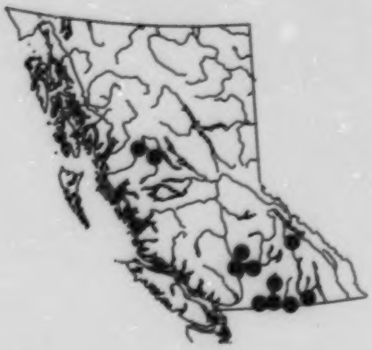
Ranunculus flabellaris



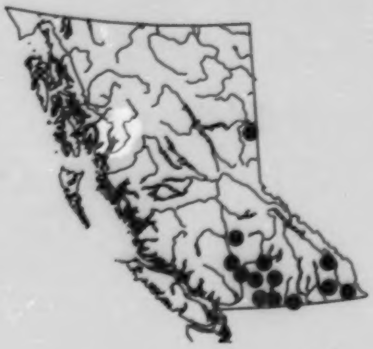
Ranunculus flammula



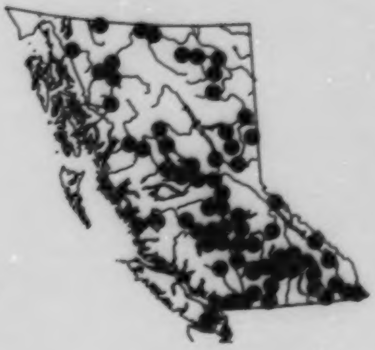
Ranunculus gelidus



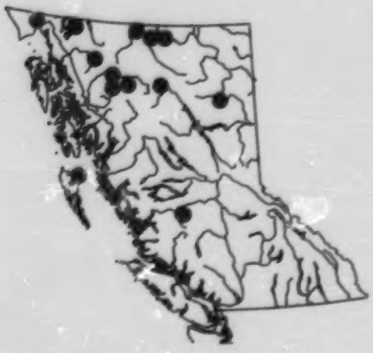
Ranunculus glaberrimus
var. ellipticus



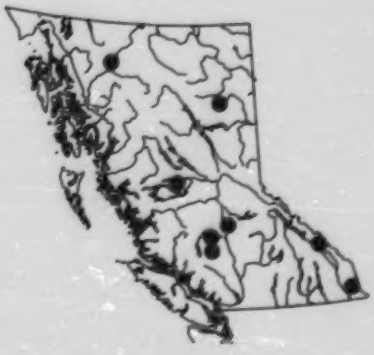
Ranunculus glaberrimus
var. glaberrimus



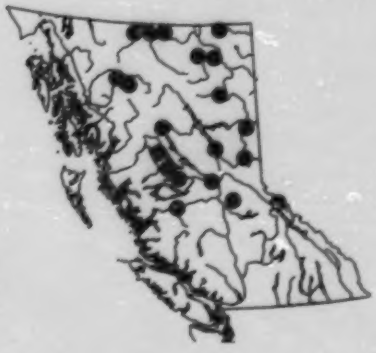
Ranunculus gmelinii



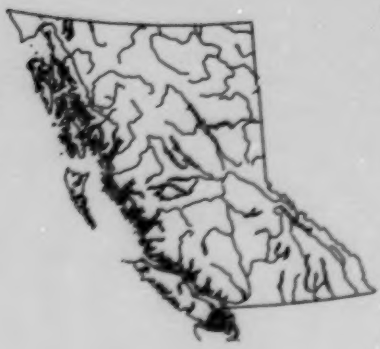
Ranunculus hyperboreus



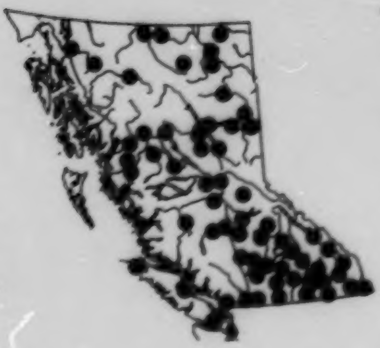
Ranunculus inamoenus
var. inamoenus



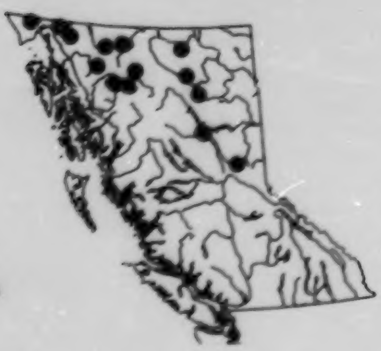
Ranunculus lapponicus



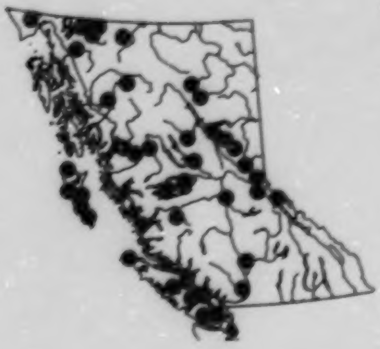
Ranunculus lobbii



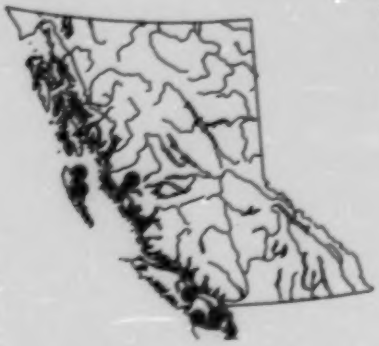
Ranunculus macounii



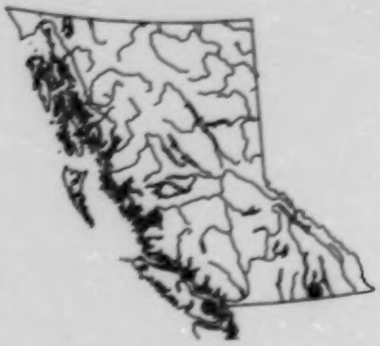
Ranunculus nivalis



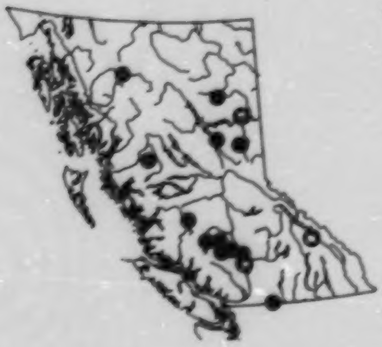
Ranunculus occidentalis
var. occidentalis



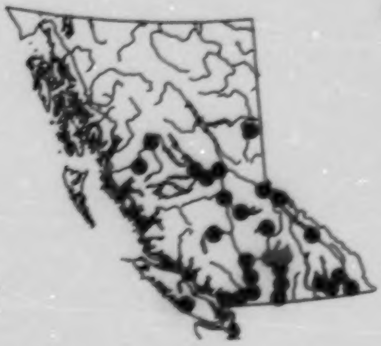
Ranunculus orthorhynchus
var. orthorhynchus



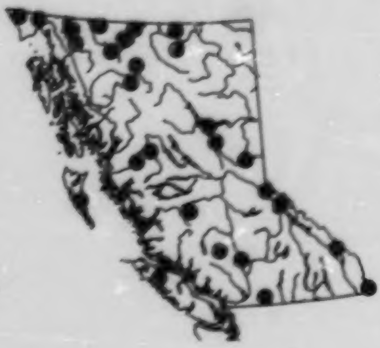
Ranunculus orthorhynchus
var. platyphyllus



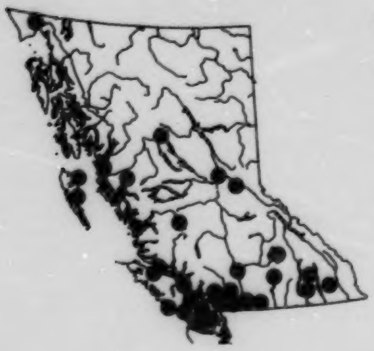
Ranunculus pedatifidus
ssp. affinis



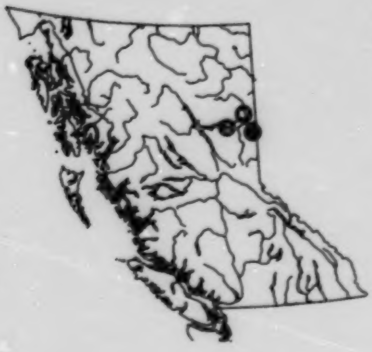
Ranunculus pensylvanicus



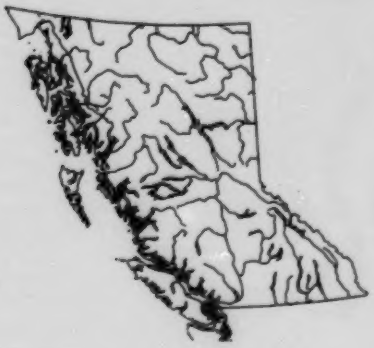
Ranunculus pygmaeus



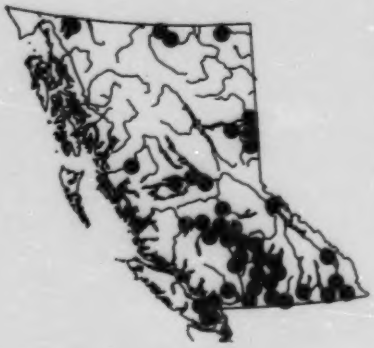
Ranunculus repens



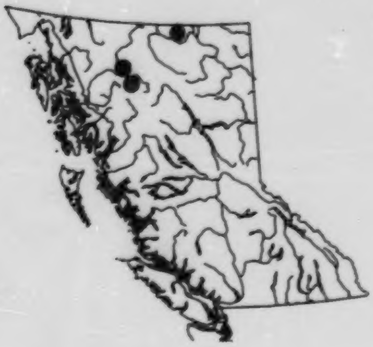
Ranunculus rhomboideus



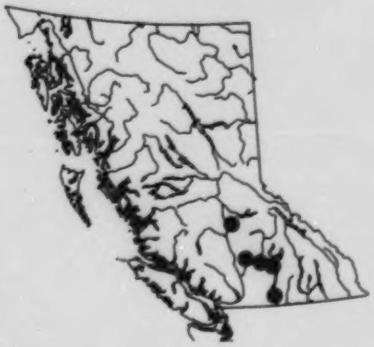
Ranunculus sardous



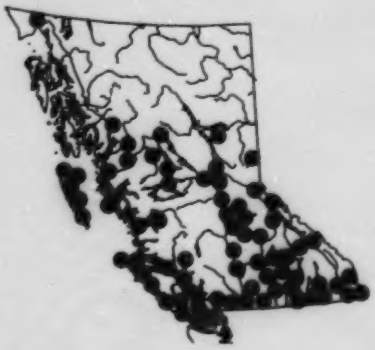
Ranunculus sceleratus
var. multifidus



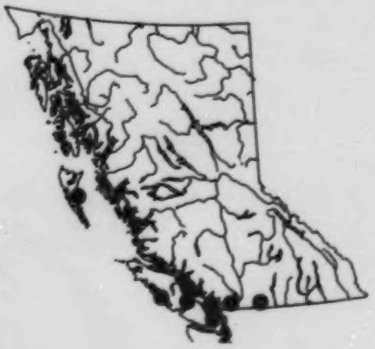
Ranunculus sulphureus



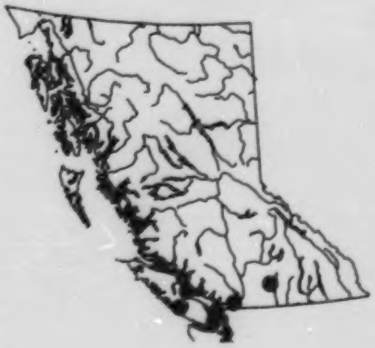
Ranunculus testiculatus



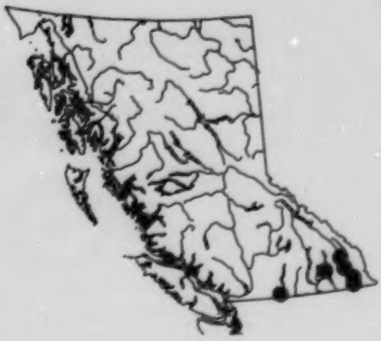
Ranunculus uncinatus



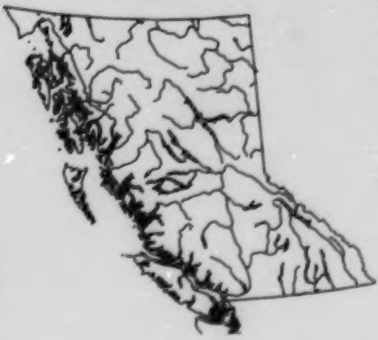
Raphanus raphanistrum



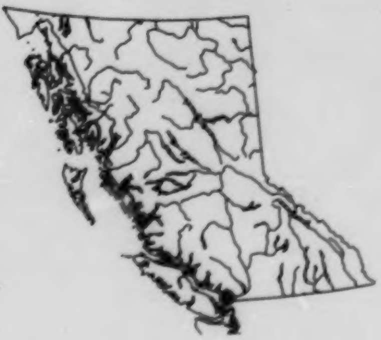
Raphanus sativus



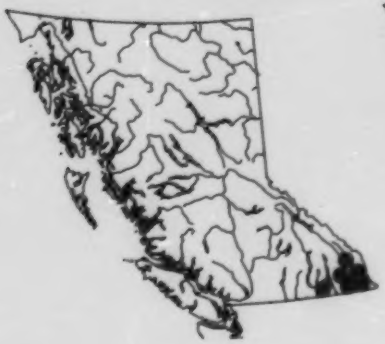
Ratibida columnifera



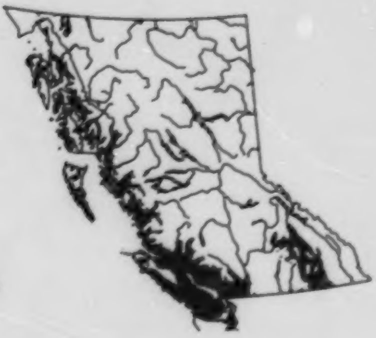
Reseda alba



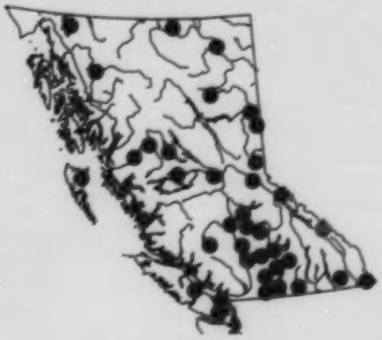
Reseda lutea



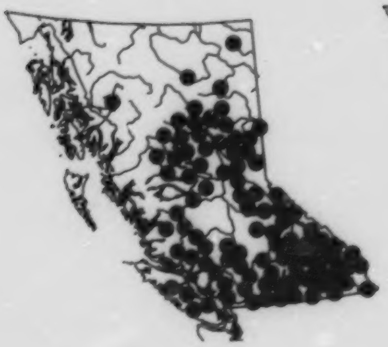
Rhamnus alnifolia



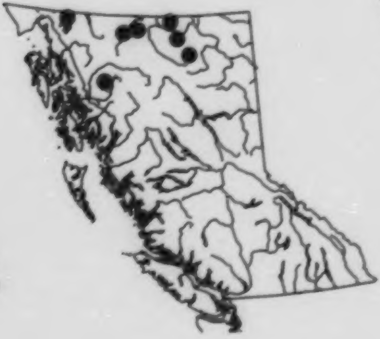
Rhamnus purshiana



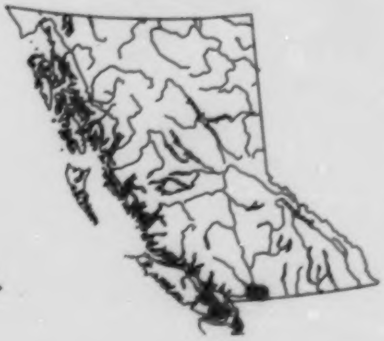
Rhinanthus minor



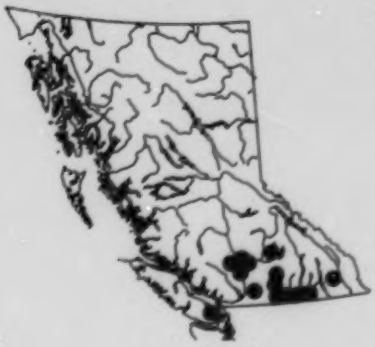
Rhododendron albiflorum



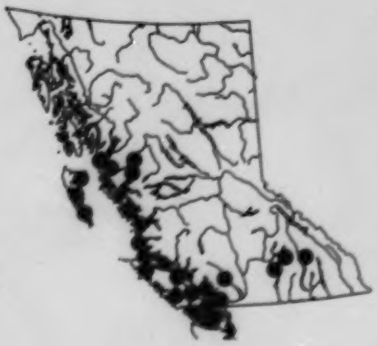
Rhododendron lapponicum



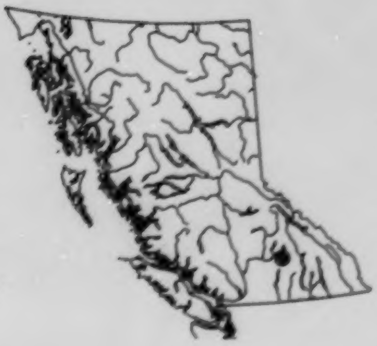
Rhododendron macrophyllum



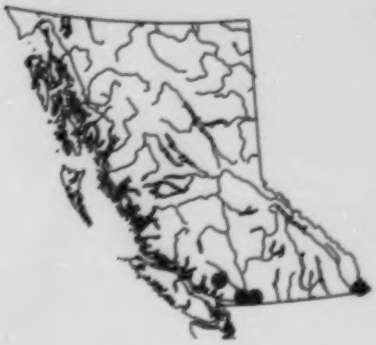
Rhus glabra



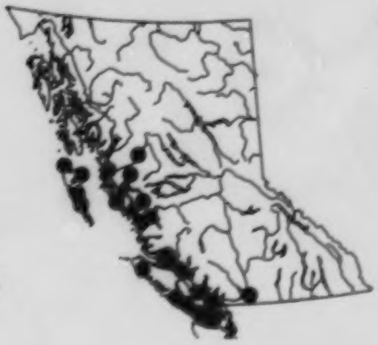
Rhynchospora alba



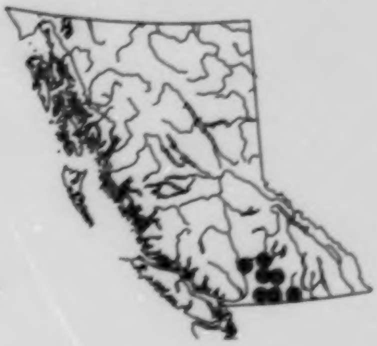
Rhynchospora capillacea



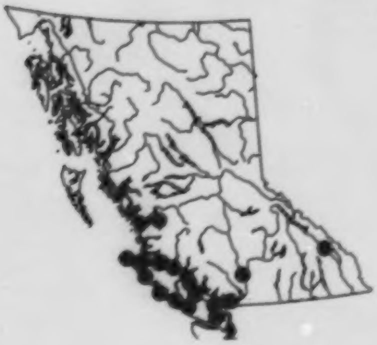
Ribes acerifolium



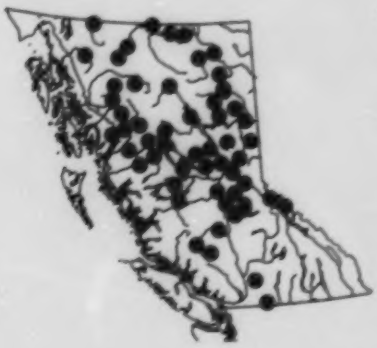
Ribes bracteosum



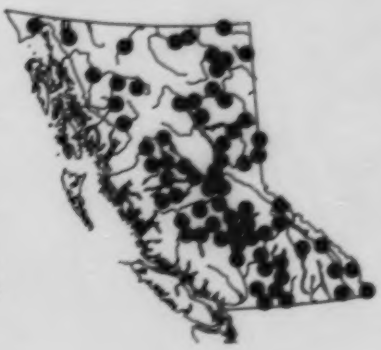
Ribes cereum var. cereum



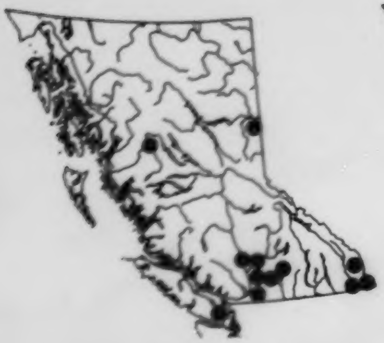
Ribes divaricatum
ssp. divaricatum



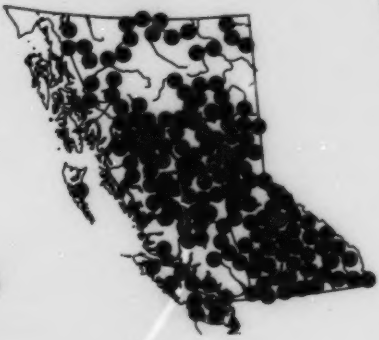
Ribes glandulosum



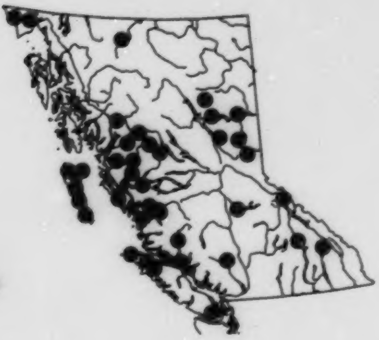
Ribes hudsonianum
sensu lato



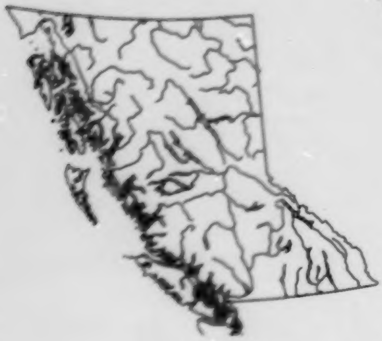
Ribes inerme var. *inerme*



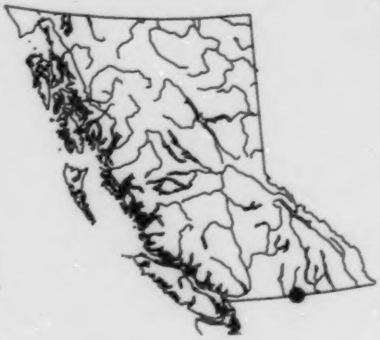
Ribes lacustre



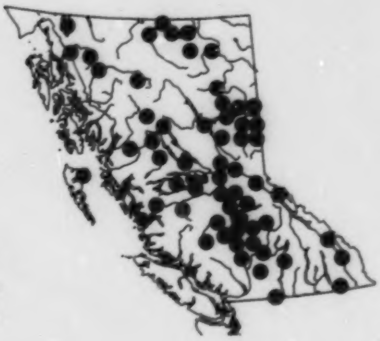
Ribes laxiflorum



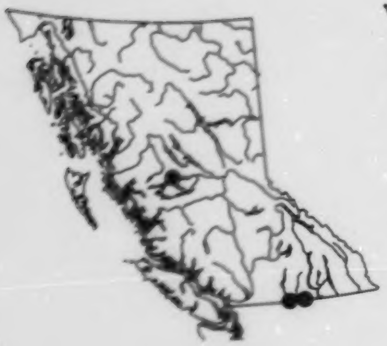
Ribes lobbii



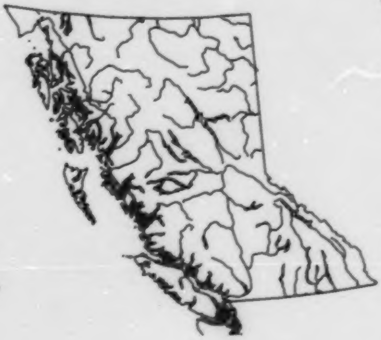
Ribes montigenum



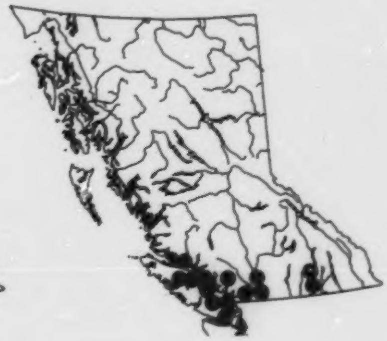
Ribes oxyacanthoides ssp. *irriguum* and ssp. *oxyacanthoides*



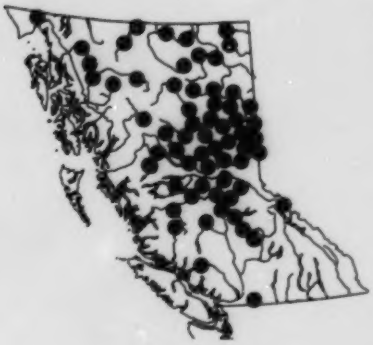
Ribes oxyacanthoides ssp. *cognatum*

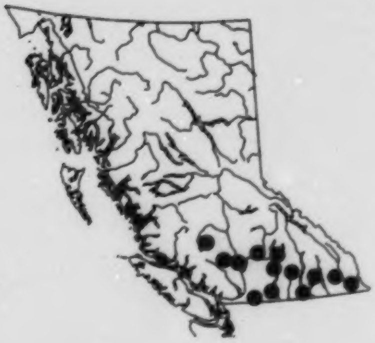


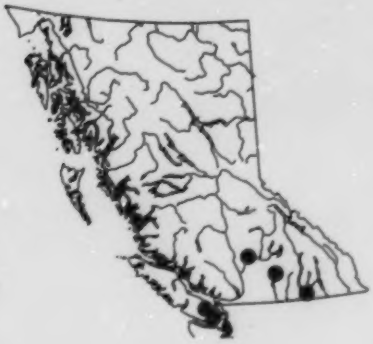
Ribes rubrum

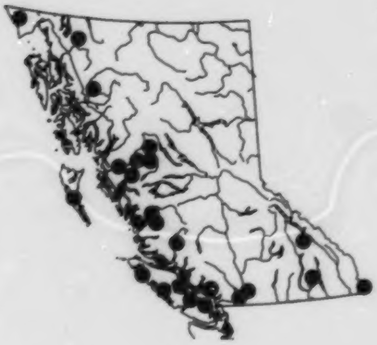


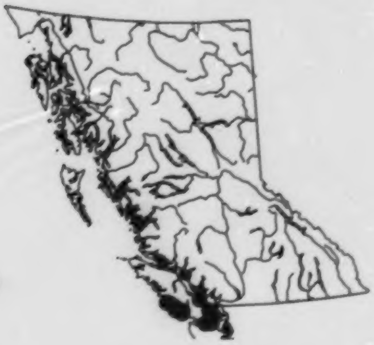
Ribes sanguineum var. *sanguineum*

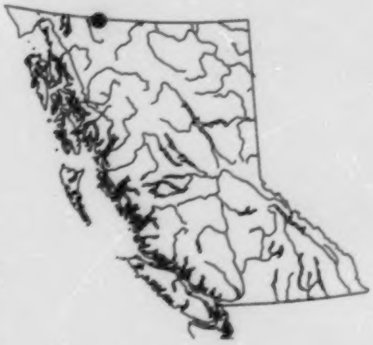

Ribes triste

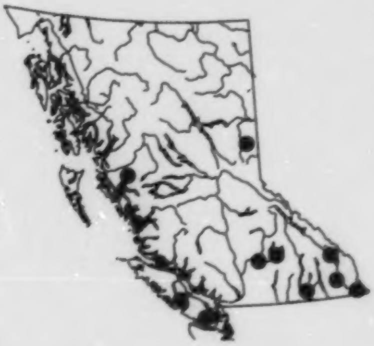

Ribes viscosissimum

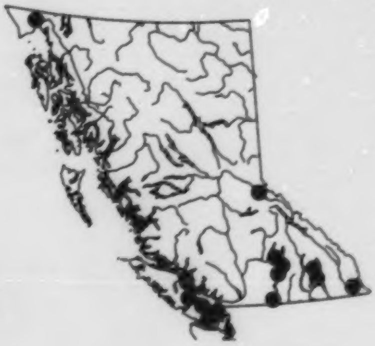

Robinia pseudoacacia

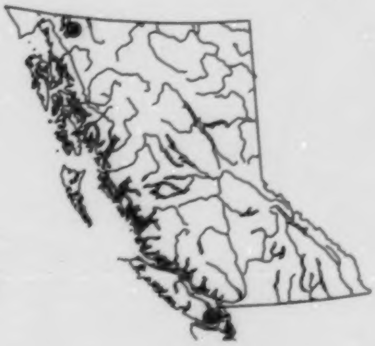

Romanzoffia sitchensis

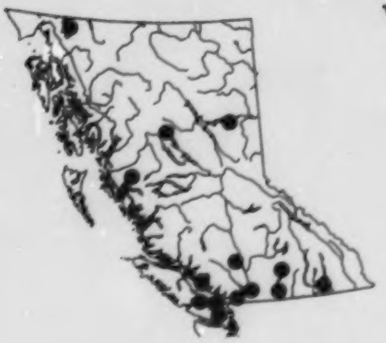

Romanzoffia tracyi


Rorippa barbareifolia

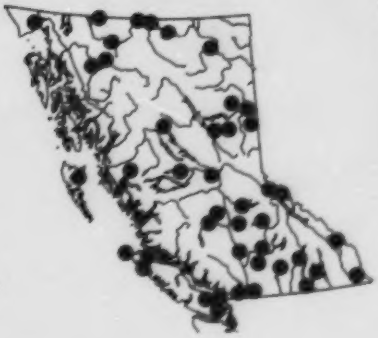

Rorippa curvipes
var. truncata


Rorippa curvisiliqua

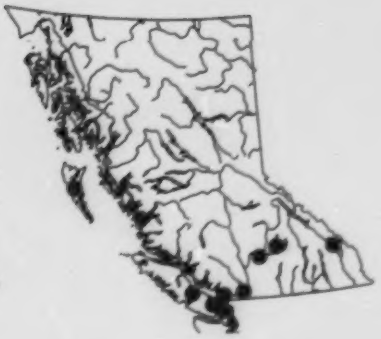

Rorippa microphylla



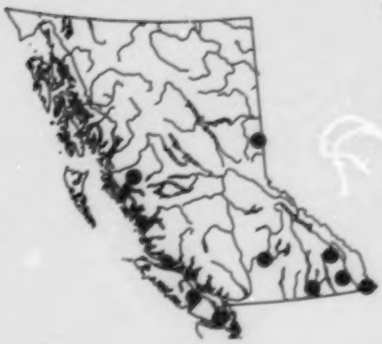
Rorippa nasturtium-aquaticum



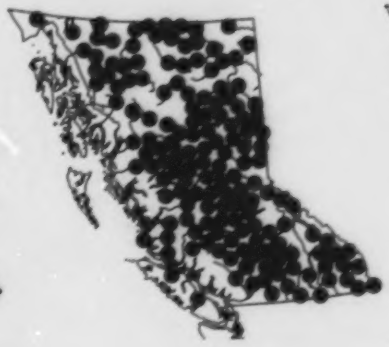
Rorippa palustris



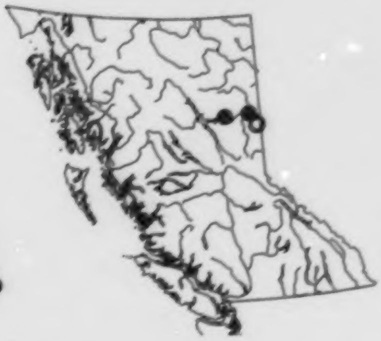
Rorippa sylvestris



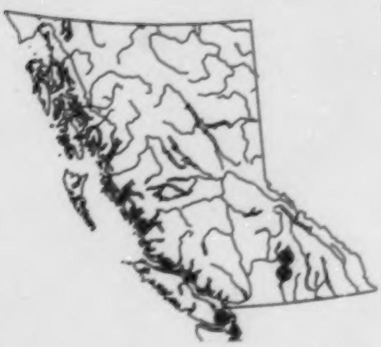
Rorippa tenerrima



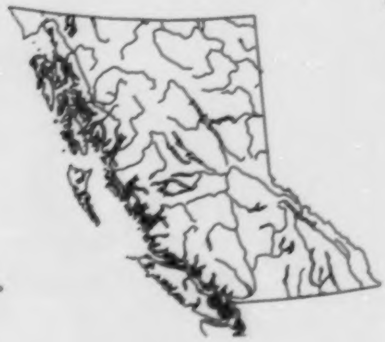
Rosa acicularis* ssp. *sayi



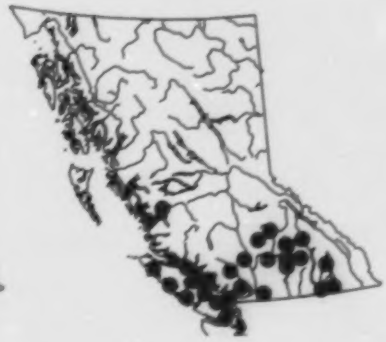
Rosa arkansana* var. *arkansana



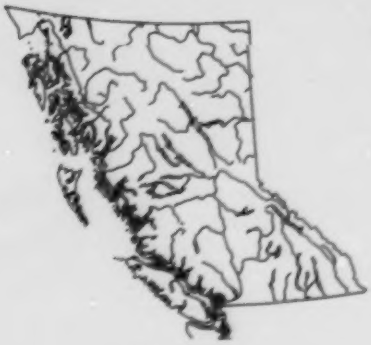
Rosa canina



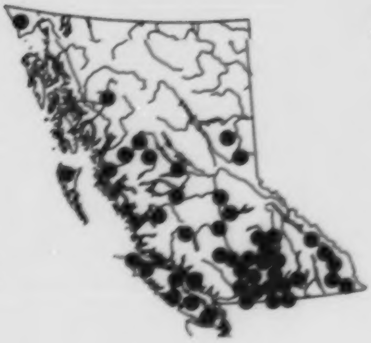
Rosa eglanteria



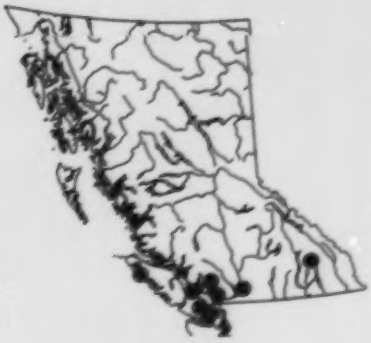
Rosa gymnocarpa



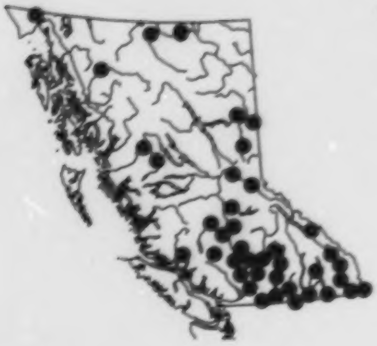
Rosa multiflora



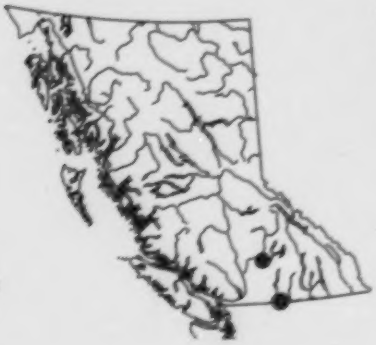
Rosa nutkana sensu lato



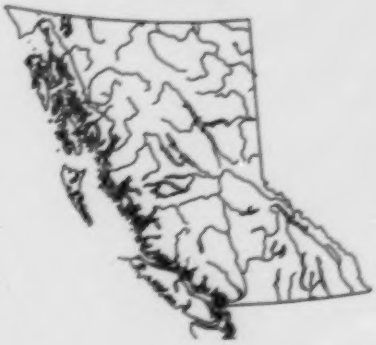
Rosa pisocarpa



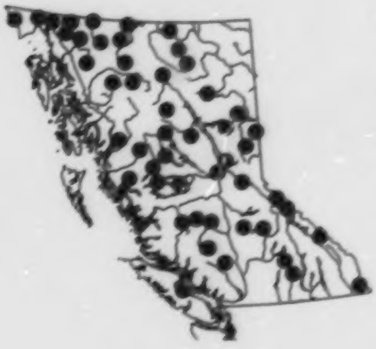
Rosa woodsii
ssp. ultramontana



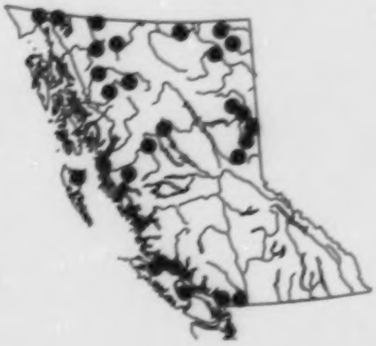
Rotala ramosior



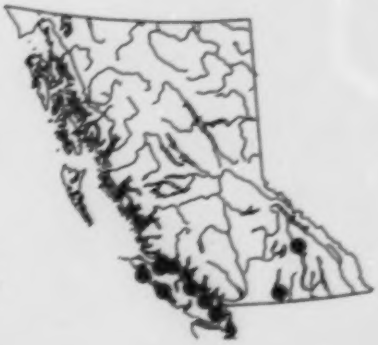
Rubus allegheniensis
var. allegheniensis



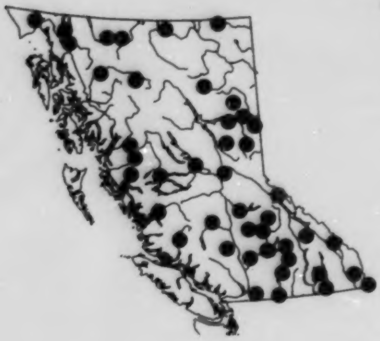
Rubus arcticus sensu lato



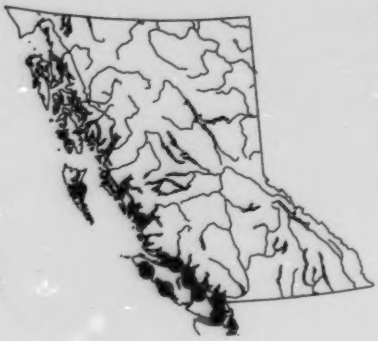
Rubus chamaemorus



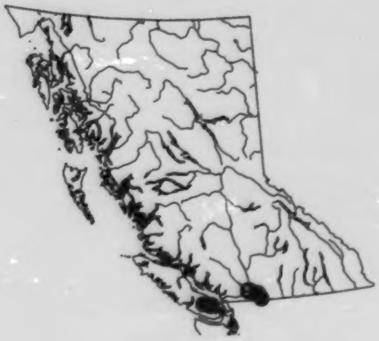
Rubus discolor



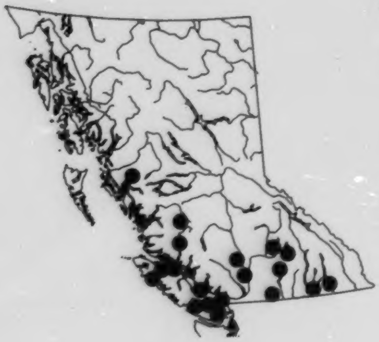
Rubus idaeus ssp. *strigosus*



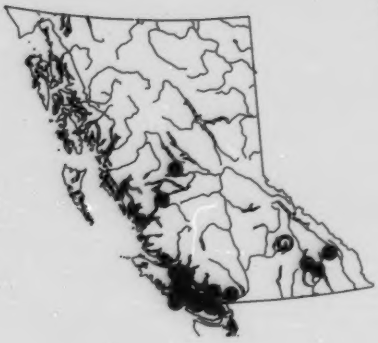
Rubus laciniatus



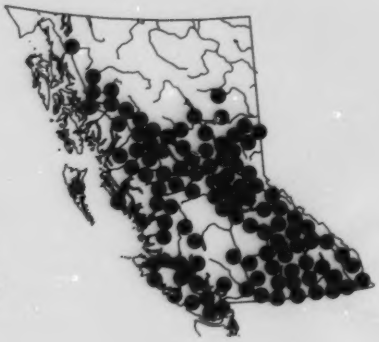
Rubus lasiococcus



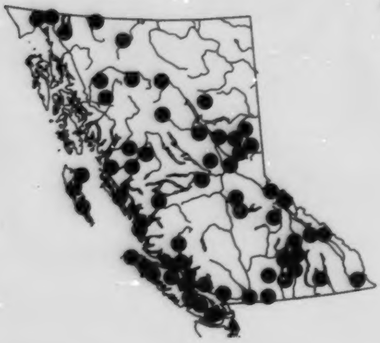
Rubus leucodermis



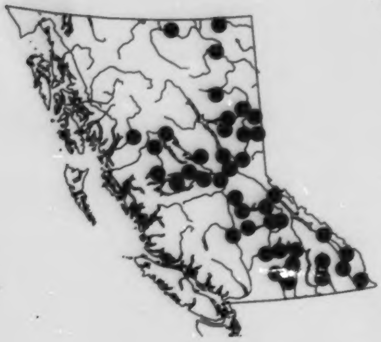
Rubus nivalis



Rubus parviflorus
var. *parviflorus*



Rubus pedatus



Rubus pubescens
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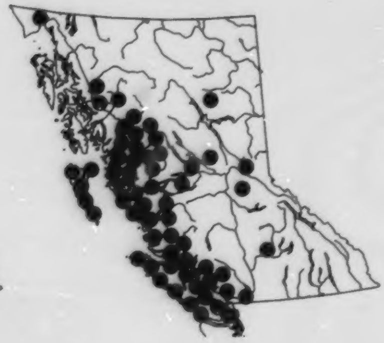
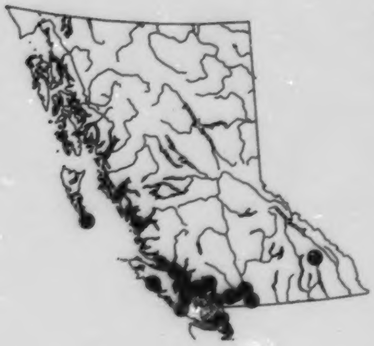


Rubus spectabilis



Rubus ursinus
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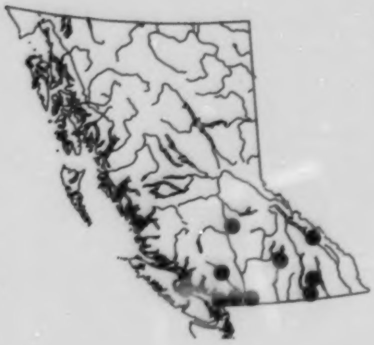

Rudbeckia hirta
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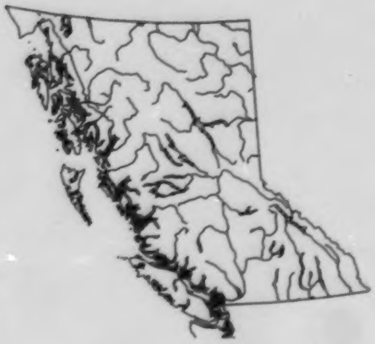
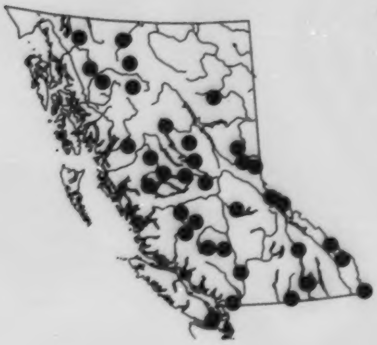
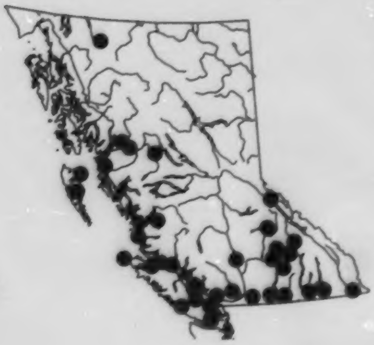


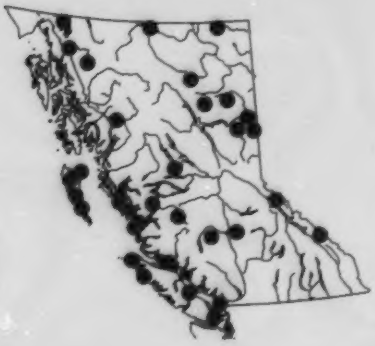
Rudbeckia laciniata
var. *ampla*



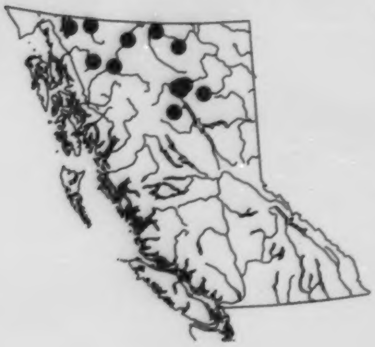
Rumex acetosa sensu lato



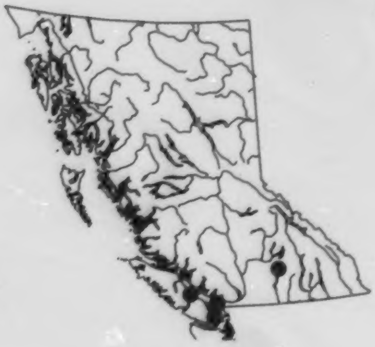
Rumex acetosella



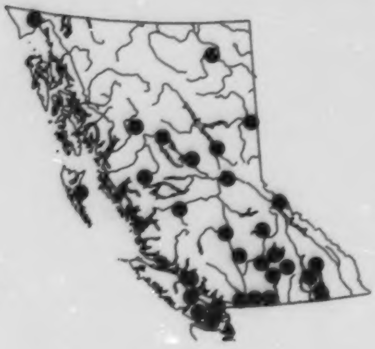
Rumex aquaticus
var. *fenestratus*



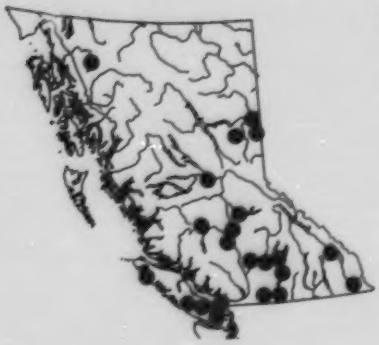
Rumex arcticus



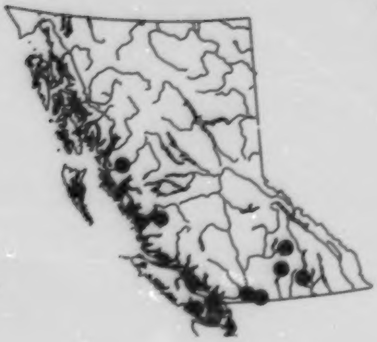
Rumex conglomeratus



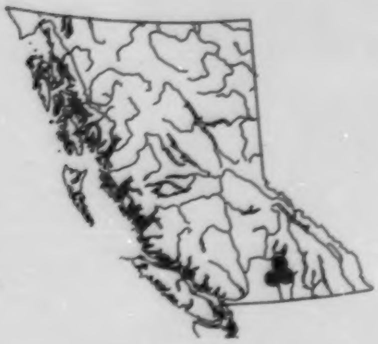
Rumex crispus



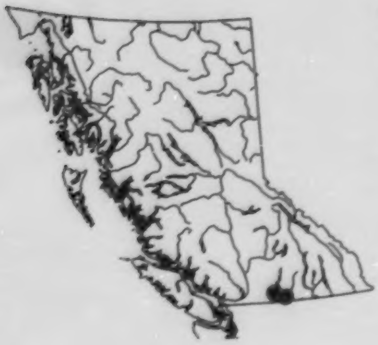
Rumex maritimus



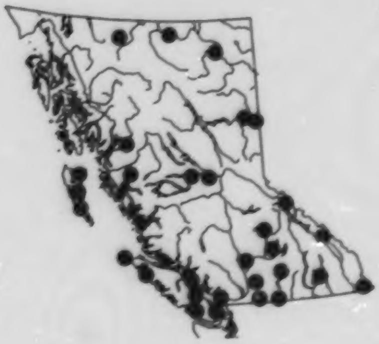
Rumex obtusifolius



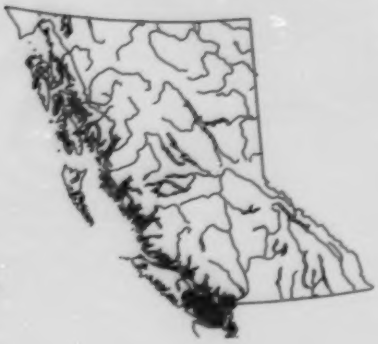
Rumex patientia



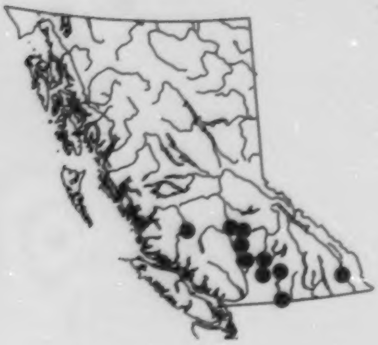
Rumex paucifolius



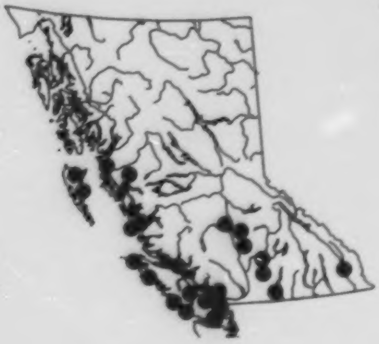
Rumex salicifolius
sensu lato



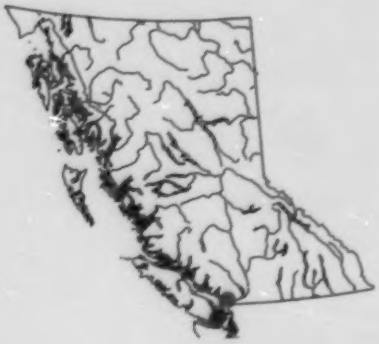
Rupertia physodes



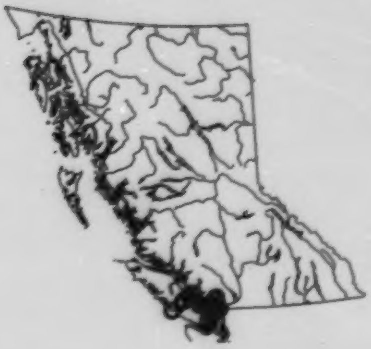
Ruppia cirrhosa



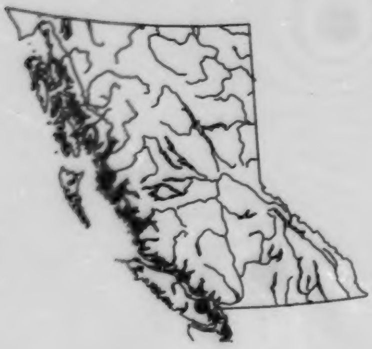
Ruppia maritima



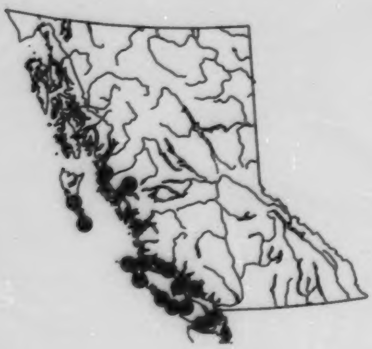
Sagina apetala
var. barbata



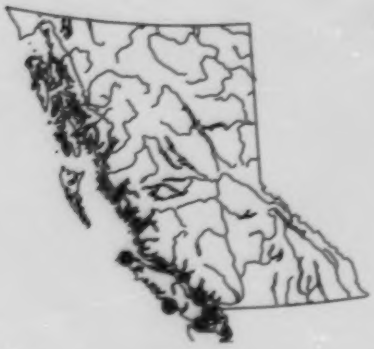
Sagina decumbens
ssp. *occidentalis*



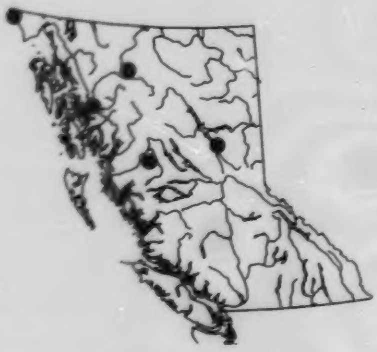
Sagina japonica



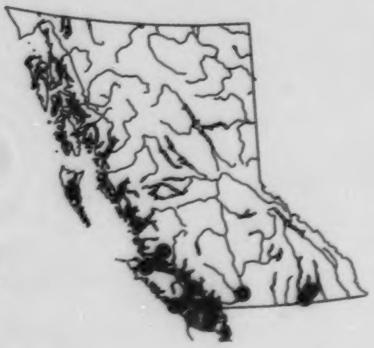
Sagina maxima
ssp. *crassicaulis*



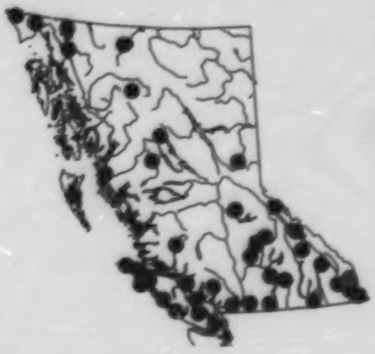
Sagina maxima ssp. *maxima*



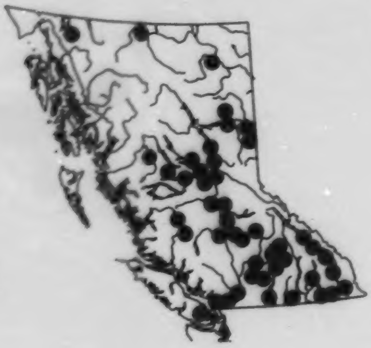
Sagina nivalis



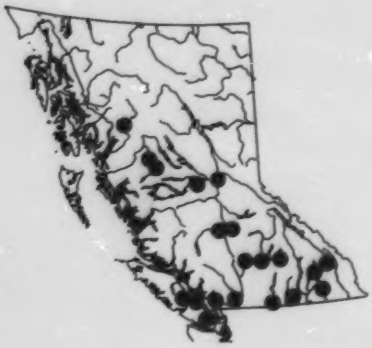
Sagina procumbens



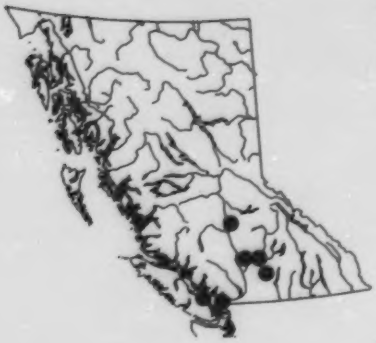
Sagina saginoides



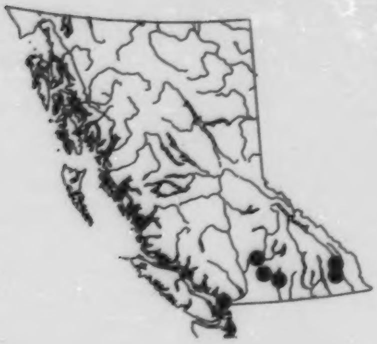
Sagittaria cuneata



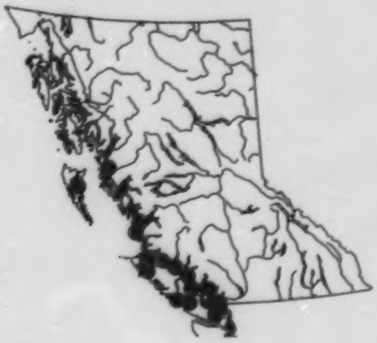
Sagittaria latifolia
var. *latifolia*



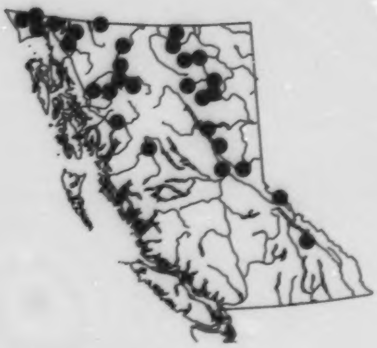
Salicornia maritima



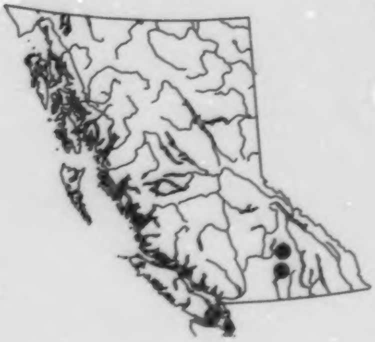
Salicornia rubra



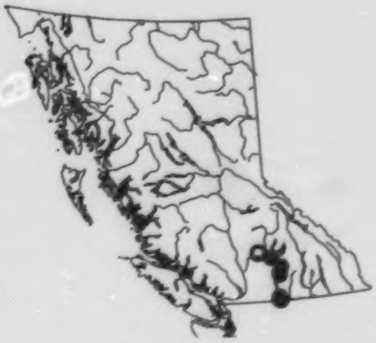
Salicornia virginica



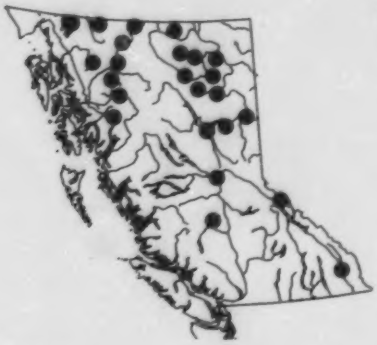
Salix alaxensis sensu lato



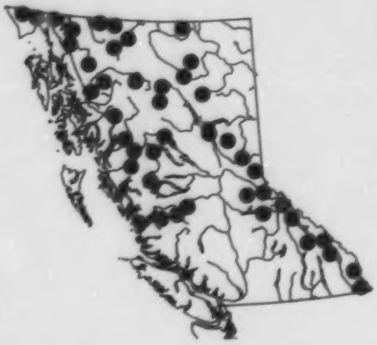
Salix alba



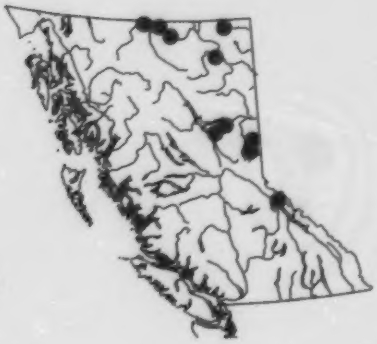
Salix amygdaloides



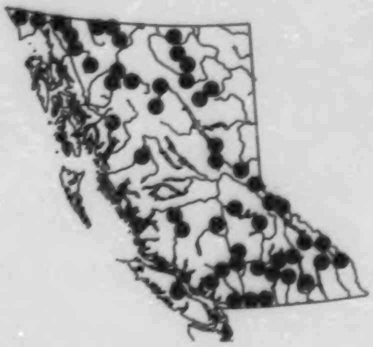
Salix arbusculoides



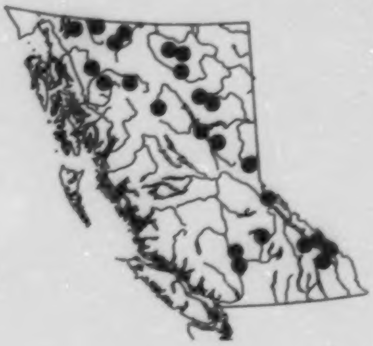
Salix arctica



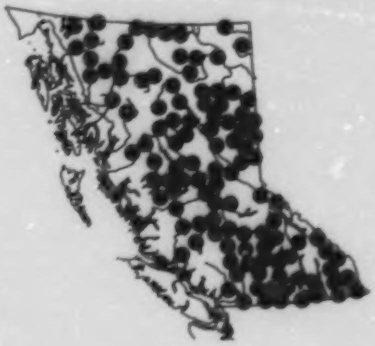
Salix athabascensis



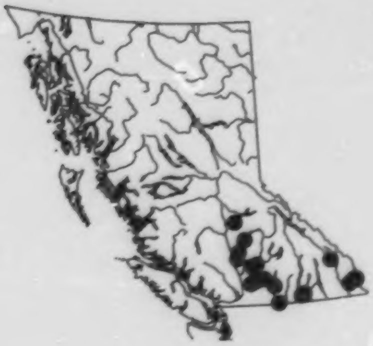
Salix barclayi



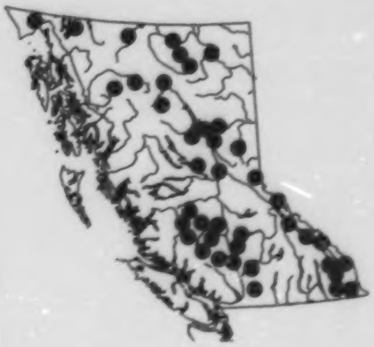
Salix barrattiana



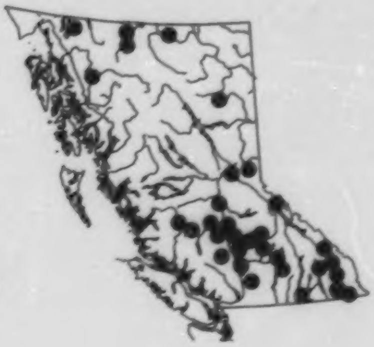
Salix bebbiana



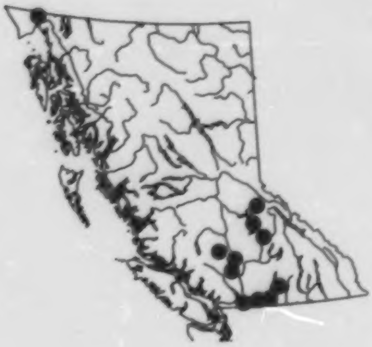
Salix boothii



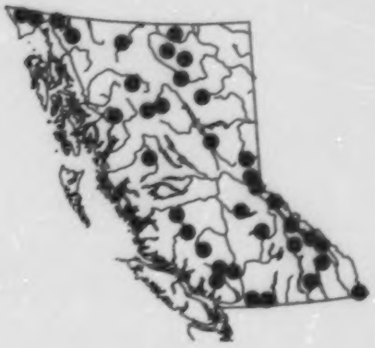
Salix brachycarpa



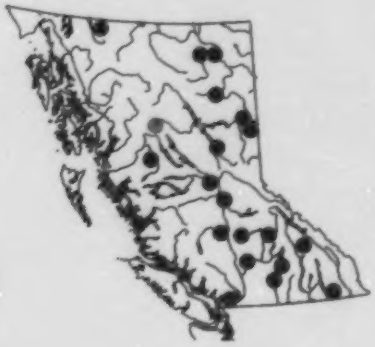
Salix candida



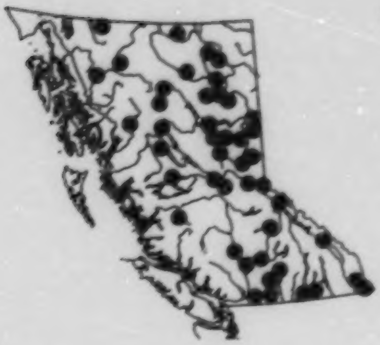
Salix cascadensis



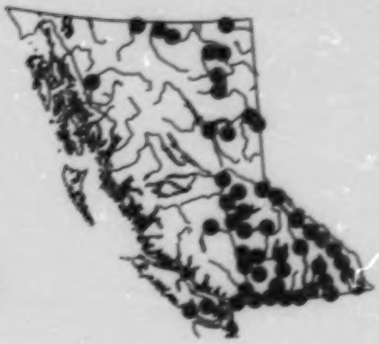
Salix commutata



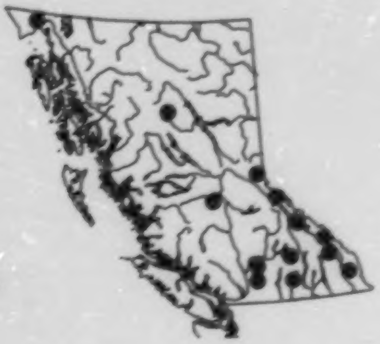
Salix discolor



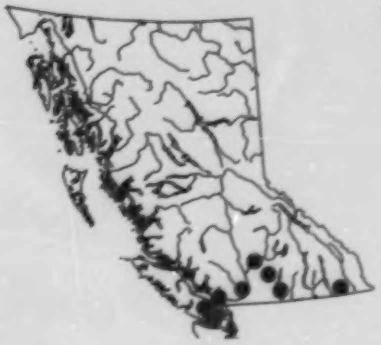
Salix drummondiana



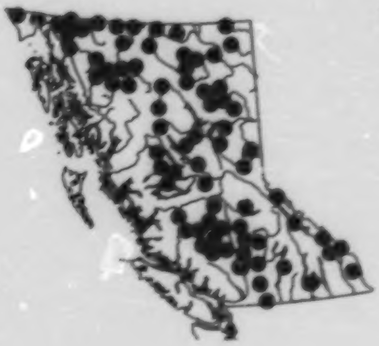
Salix exigua sensu lato



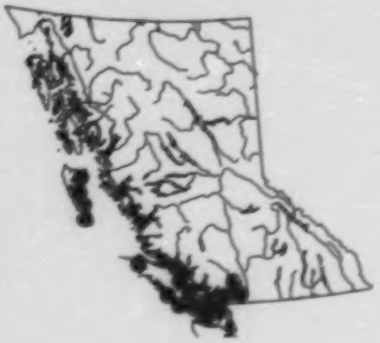
Salix farriae



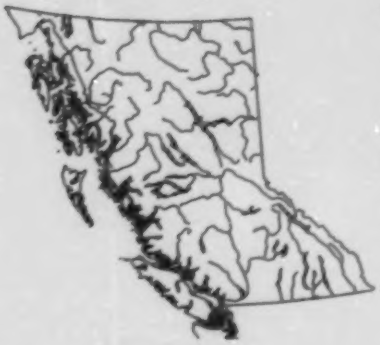
Salix geyeriana



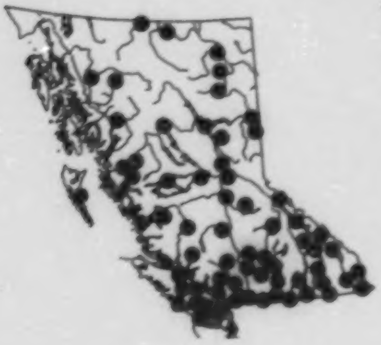
Salix glauca sensu lato



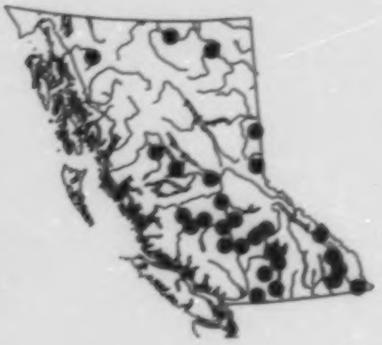
Salix hookeriana



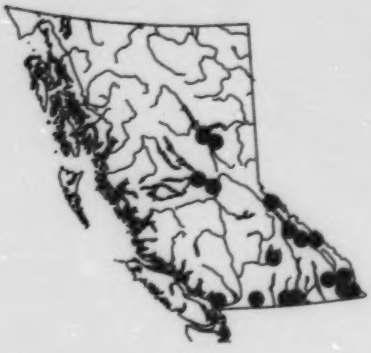
Salix lemmonii



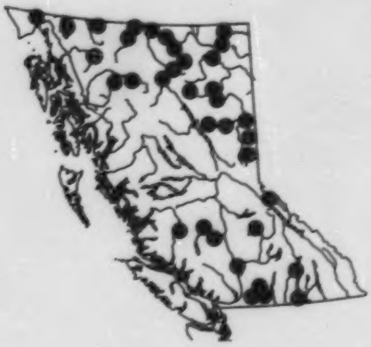
Salix lucida sensu lato



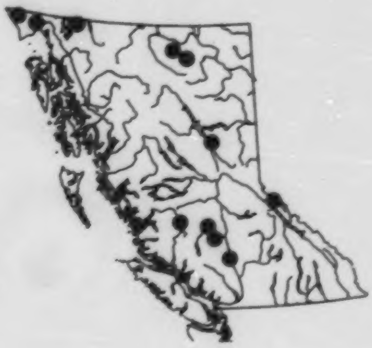
Salix maccalliana



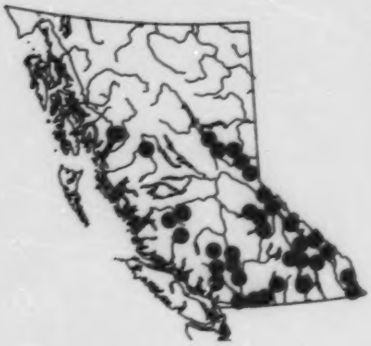
Salix melanopsis



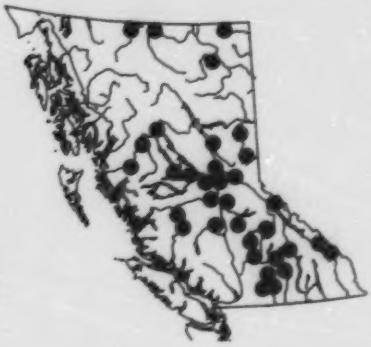
Salix myrtillifolia



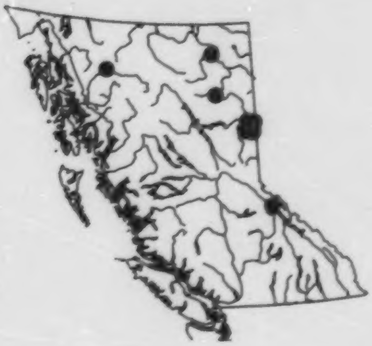
Salix niphoclada



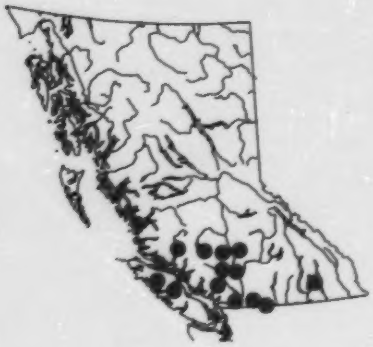
Salix nivalis



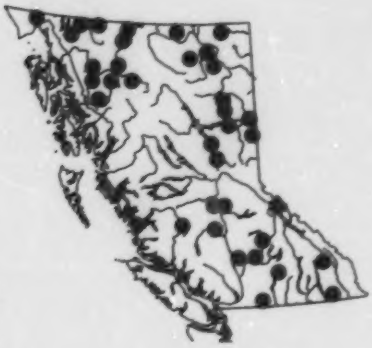
Salix pedicellaris



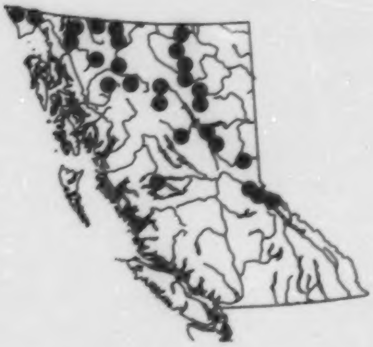
Salix petiolaris



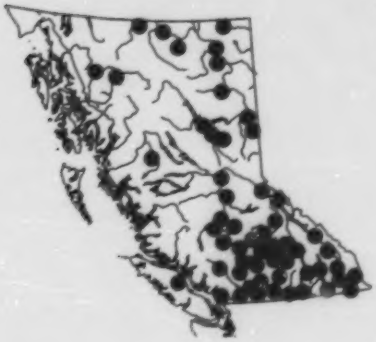
Salix petrophila



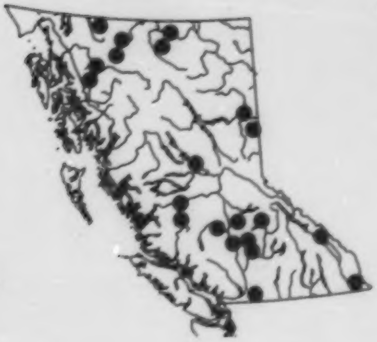
Salix planifolia



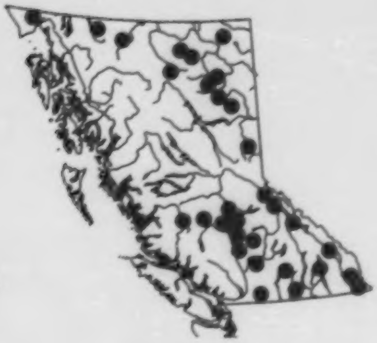
Salix polaris



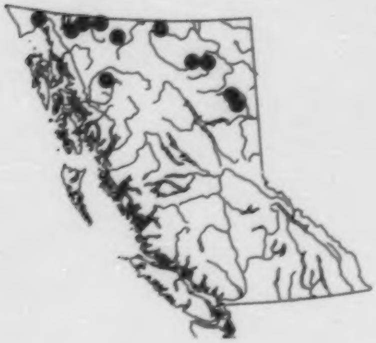
Salix prolixa



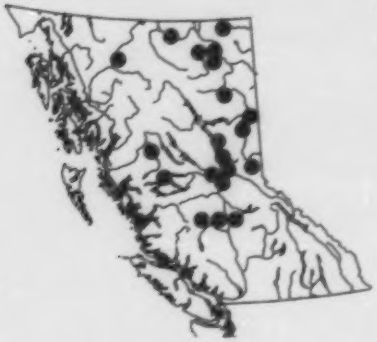
Salix pseudomonticola



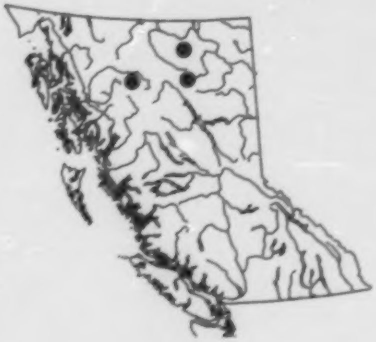
Salix pseudomyrsinites



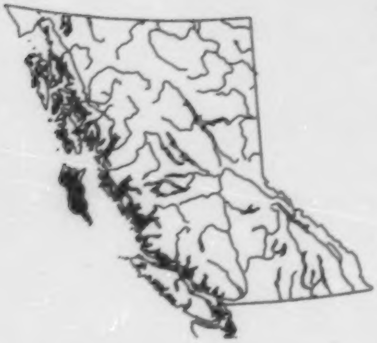
Salix pulchra



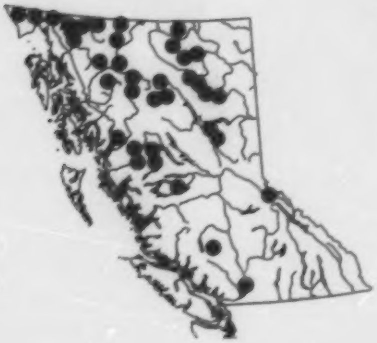
Salix pyrifolia



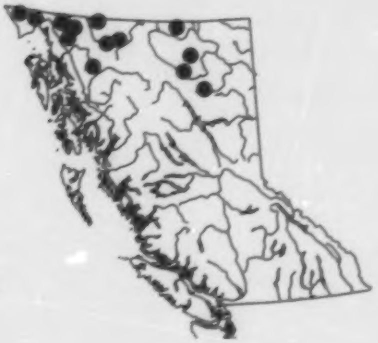
Salix raupii



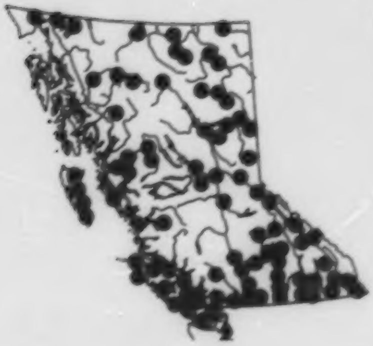
Salix reticulata
ssp. *glabellicarpa*



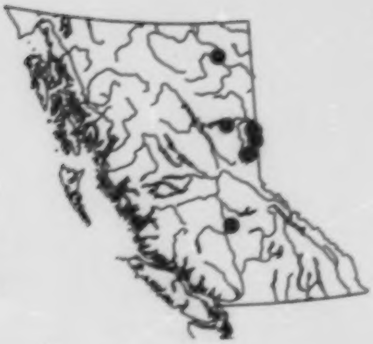
Salix reticulata
ssp. *reticulata*



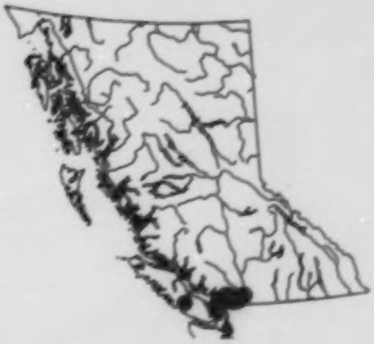
Salix richardsonii



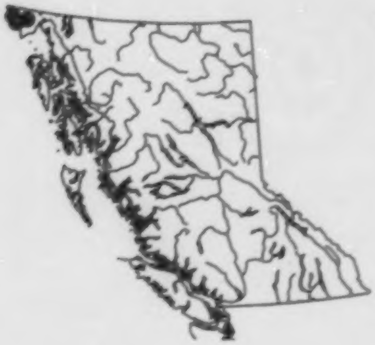
Salix scouleriana



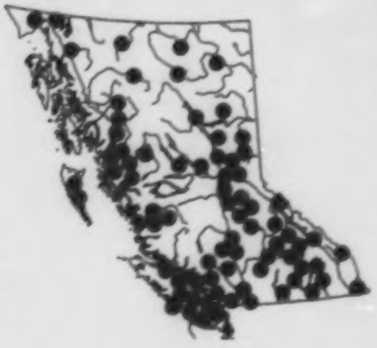
Salix serissima



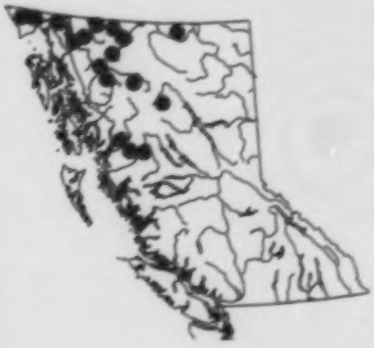
Salix sessilifolia



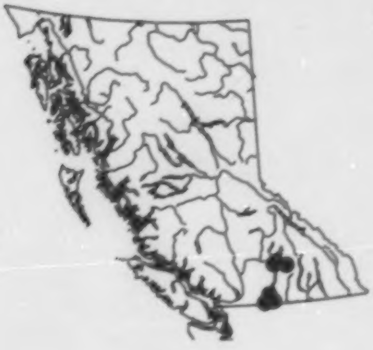
Salix setchelliana



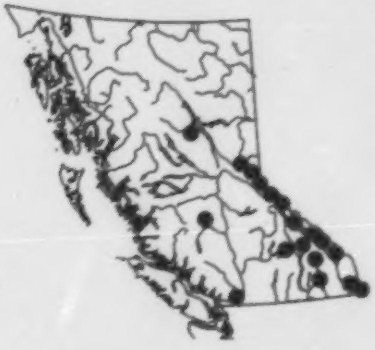
Salix sitchensis



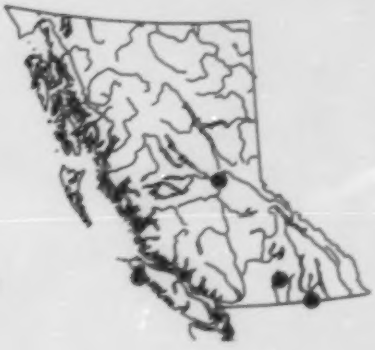
Salix stolonifera



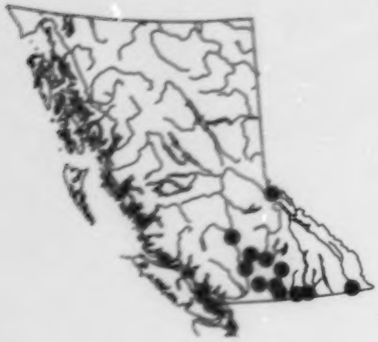
Salix tweedyi



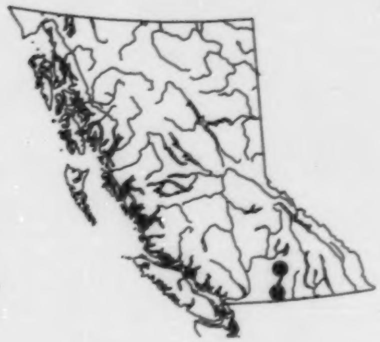
Salix vestita



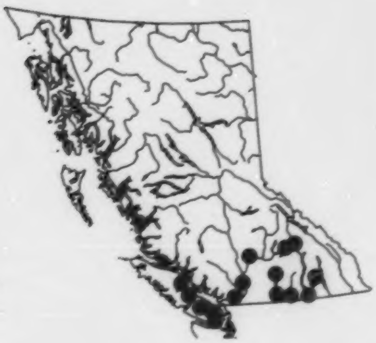
Salix x rubens



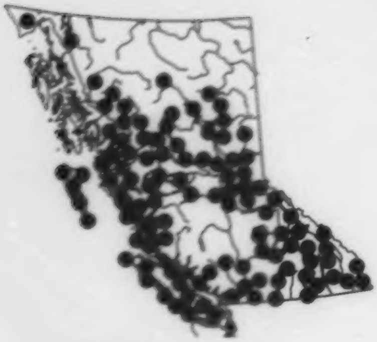
Salsola kali



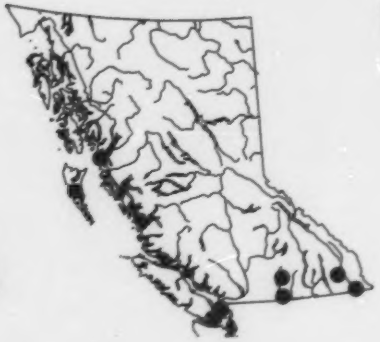
Salvia nemorosa



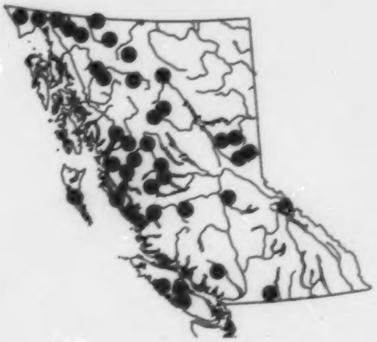
Sambucus cerulea
var. *cerulea*



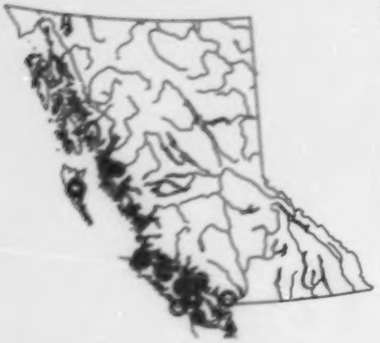
Sambucus racemosa
ssp. *pubens sensu lato*



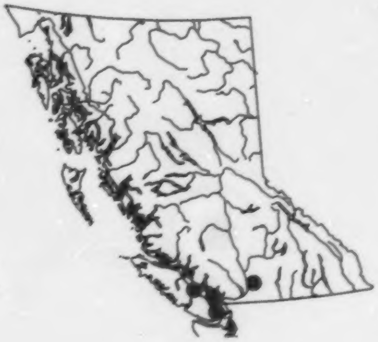
Sanguisorba annua



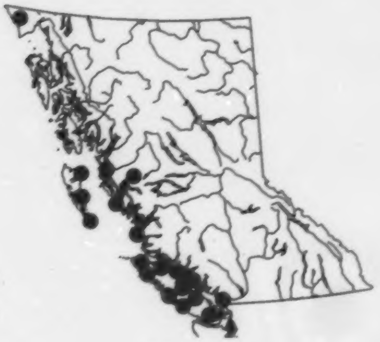
Sanguisorba canadensis



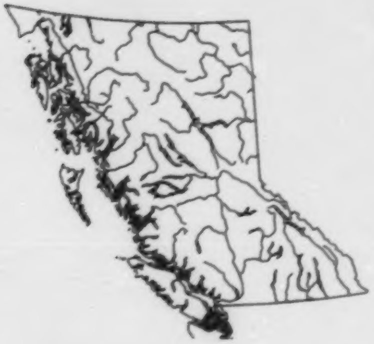
Sanguisorba menziesii



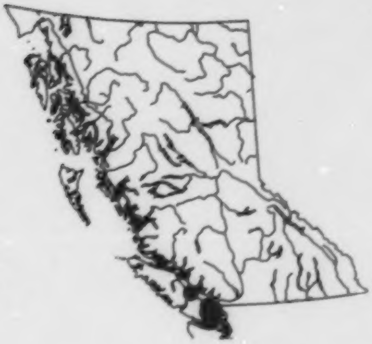
Sanguisorba minor
ssp. *muricata*



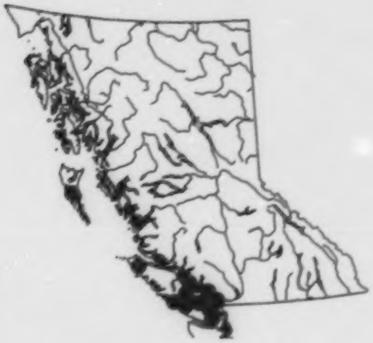
Sanguisorba officinalis



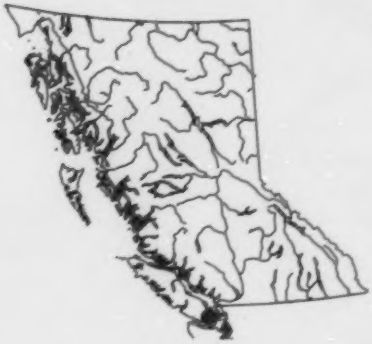
Sanicula arctopoides



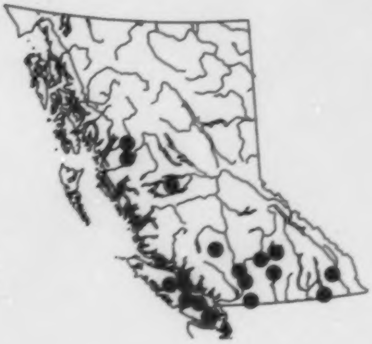
Sanicula bipinnatifida



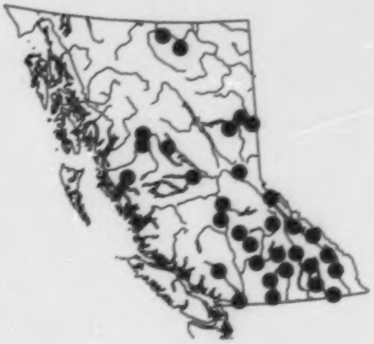
Sanicula crassicaulis* var. *crassicaulis



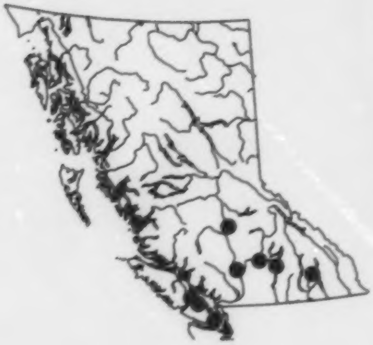
Sanicula europaea



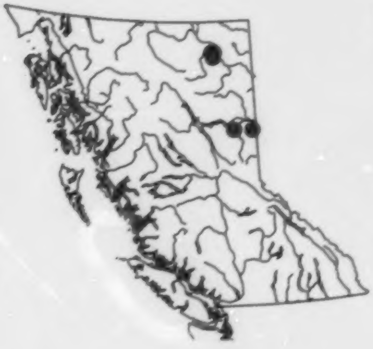
Sanicula graveolens



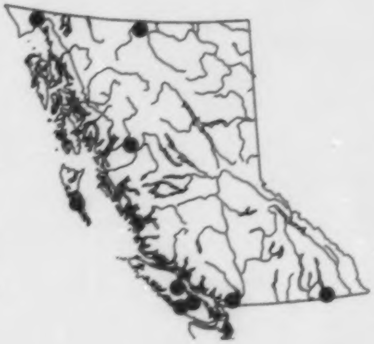
Sanicula marilandica



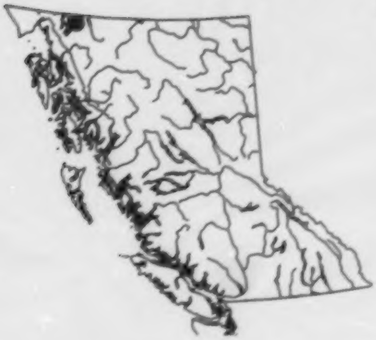
Saponaria officinalis



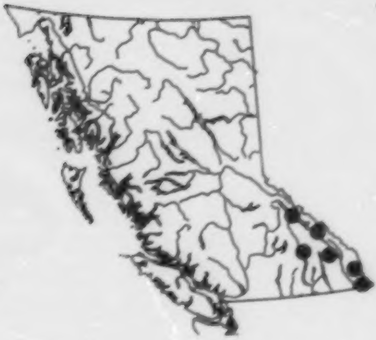
Sarracenia purpurea* ssp. *gibbosa



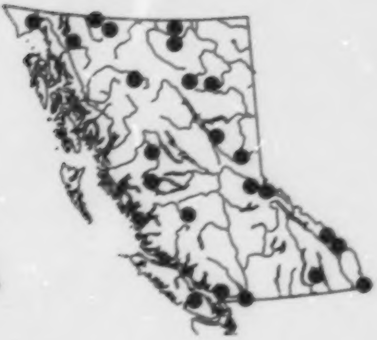
Saussurea americana



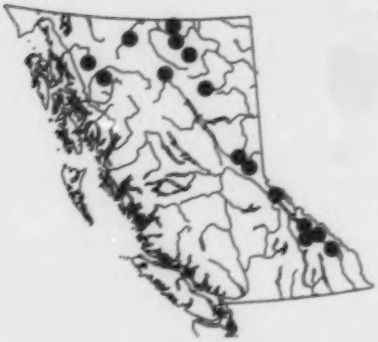
Saussurea angustifolia var. *angustifolia*



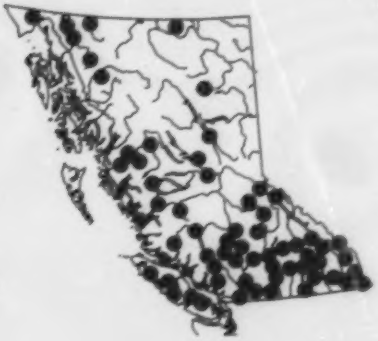
Saussurea nuda ssp. *densa*



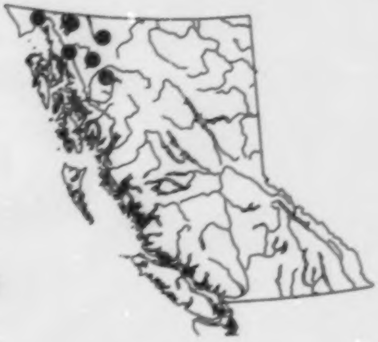
Saxifraga adscendens ssp. *oregonensis*



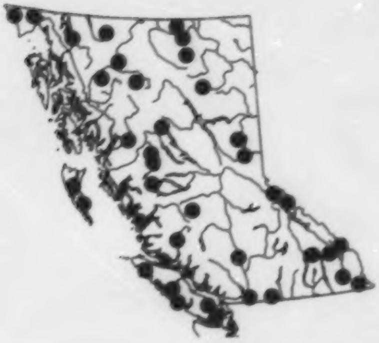
Saxifraga aizoides



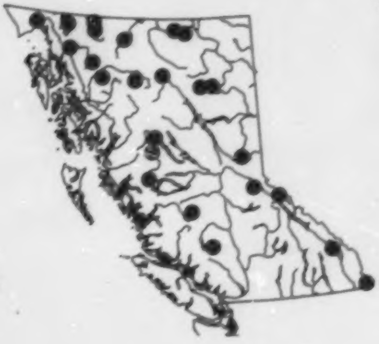
Saxifraga bronchialis ssp. *austromontana*



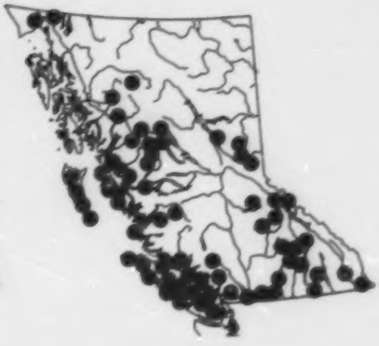
Saxifraga bronchialis ssp. *funstonii*



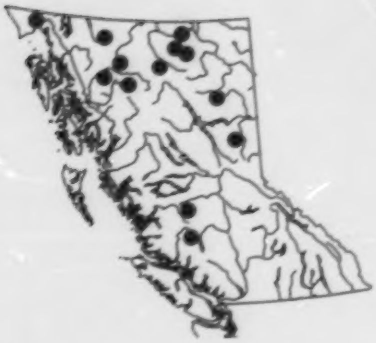
Saxifraga caespitosa



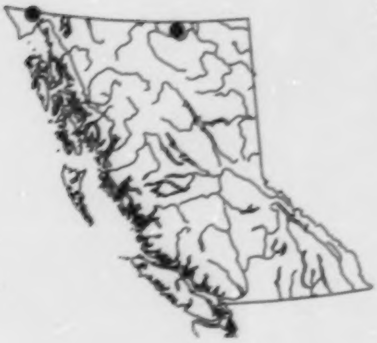
Saxifraga cernua



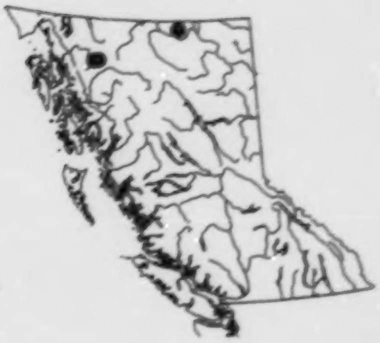
Saxifraga ferruginea



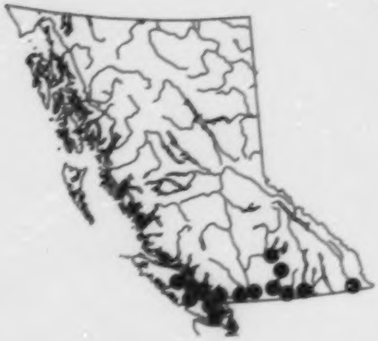
Saxifraga flagellaris
ssp. *setigera*



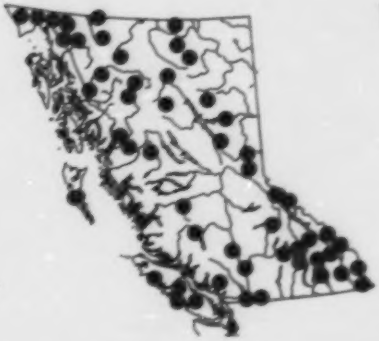
Saxifraga hieraciifolia
var. *hieraciifolia*



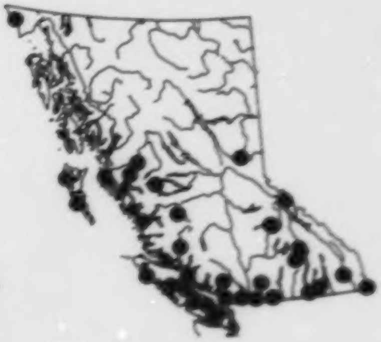
Saxifraga hirculus
ssp. *hirculus*



Saxifraga integrifolia



Saxifraga lyallii sensu lato



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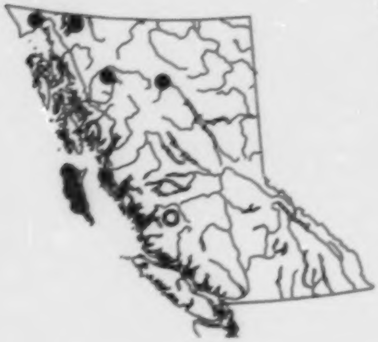

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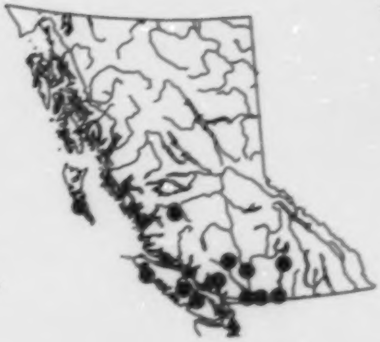
ssp. *carlottae*



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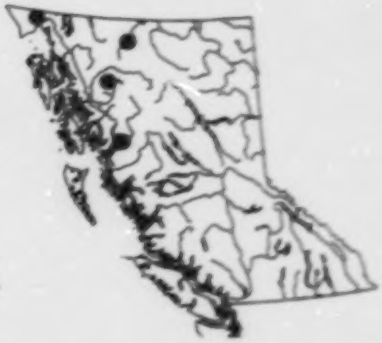

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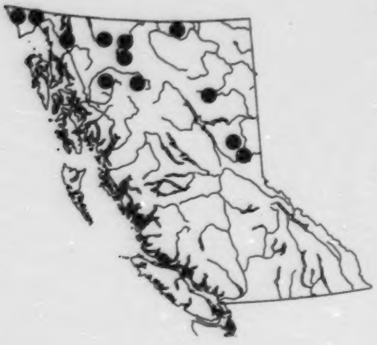
ssp. *pacifica*



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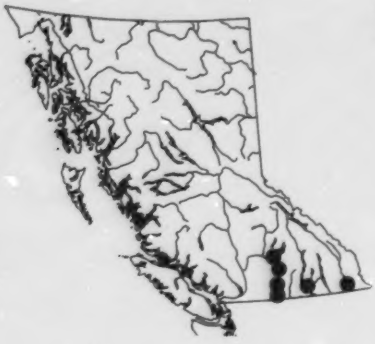
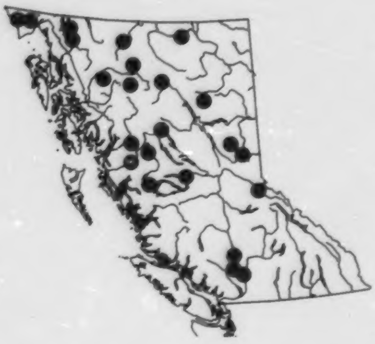
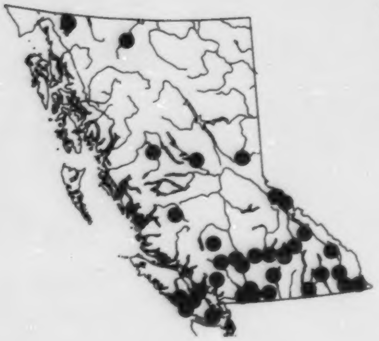
ssp. *porsildiana*



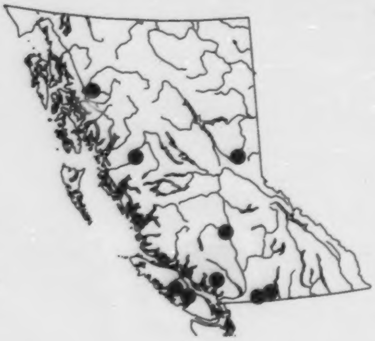
Saxifraga nidifica
var. *nidifica*



Saxifraga nivalis



Saxifraga occidentalis



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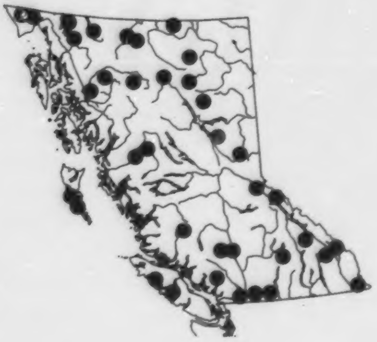
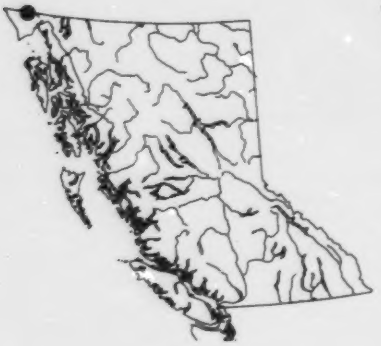
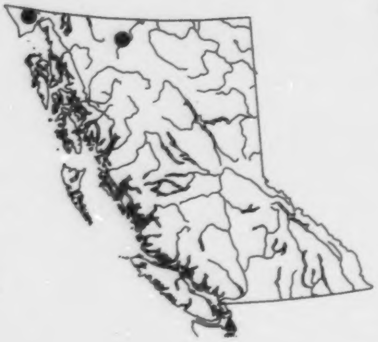


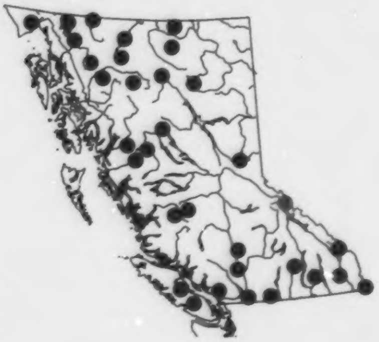
Saxifraga oppositifolia



Saxifraga razshivinii



Saxifraga reflexa



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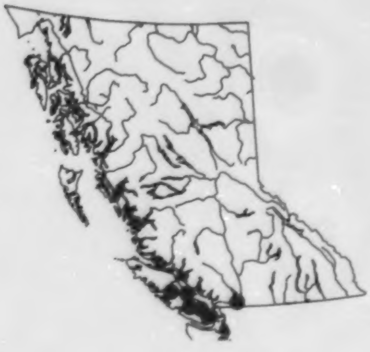

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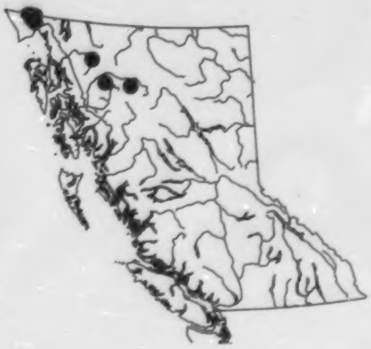

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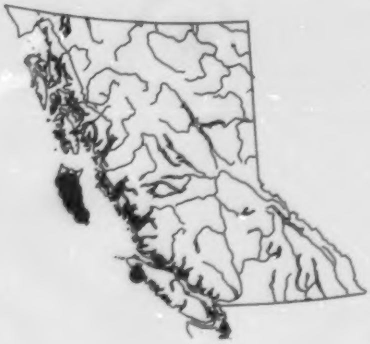

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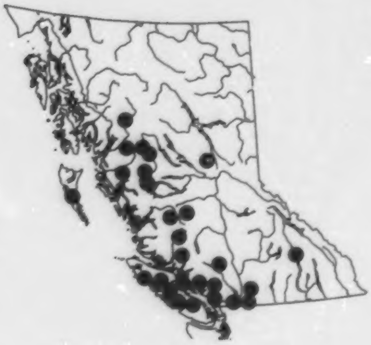
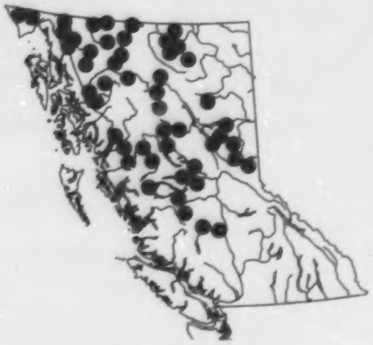


Saxifraga tolmiei



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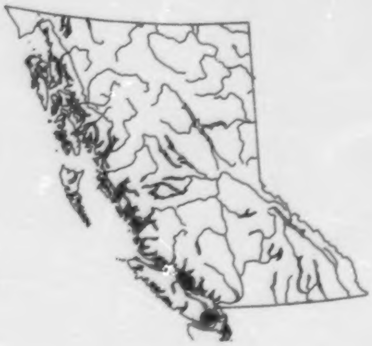
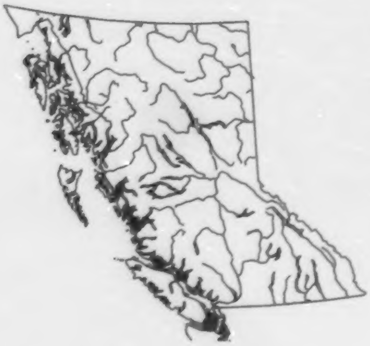
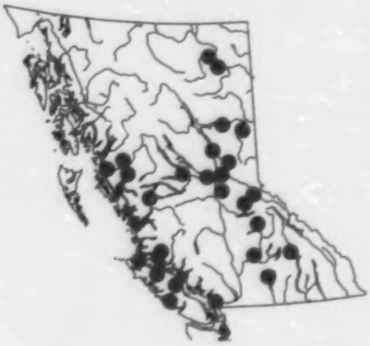


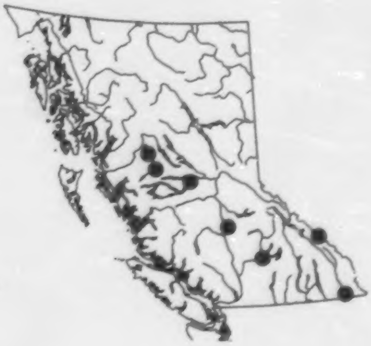
Saxifraga tridactylites



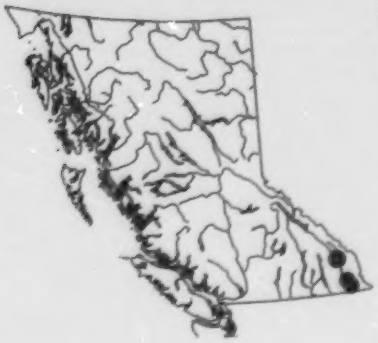
Scandix pecten-veneris



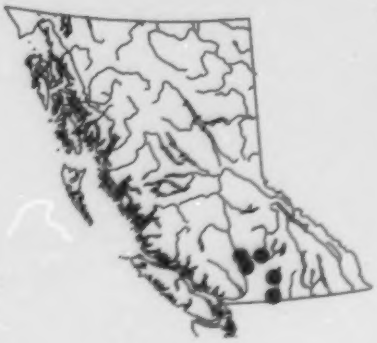
Scheuchzeria palustris
ssp. americana



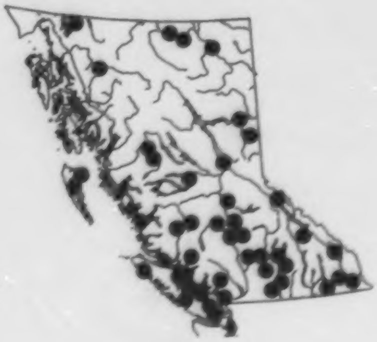
Schizachne purpurascens



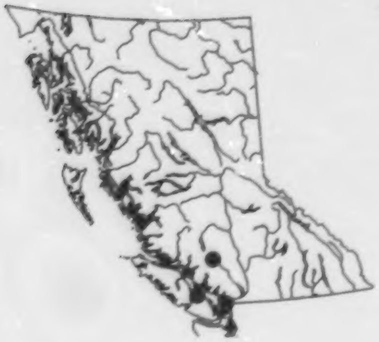
Schizachyrium scoparium



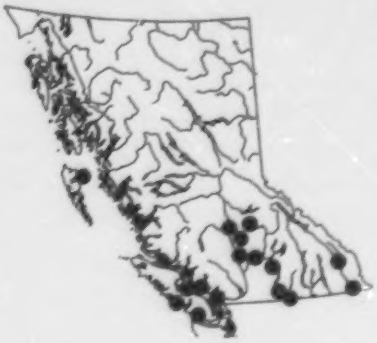
Schoenocrambe linifolia



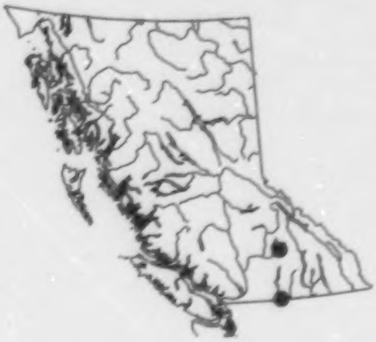
Schoenoplectus acutus



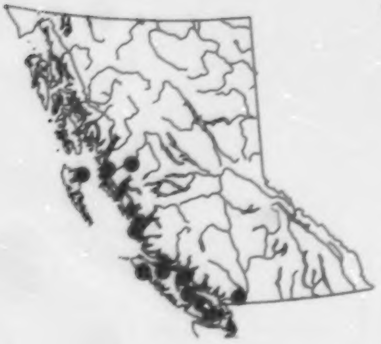
Schoenoplectus americanus



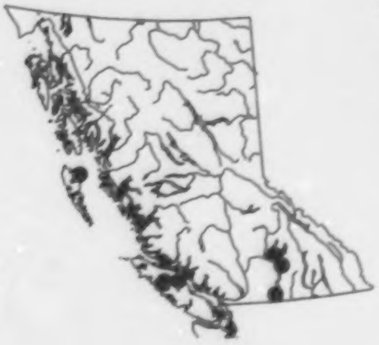
Schoenoplectus pungens
var. longispicatus



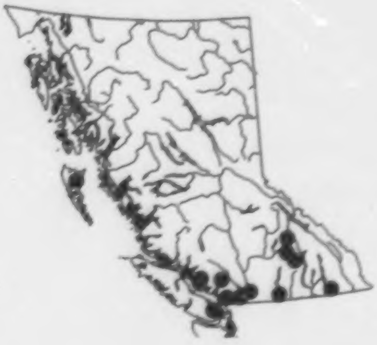
Schoenoplectus saximontanus



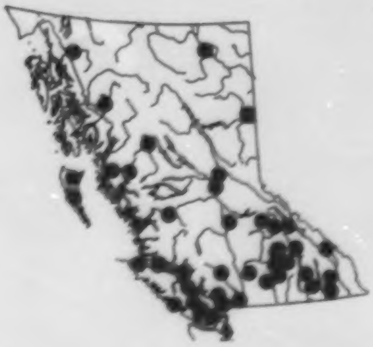
Schoenoplectus subterminalis



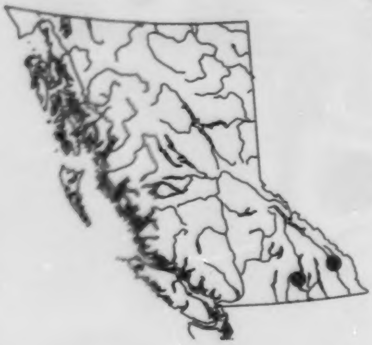
Schoenoplectus tabernaemontani



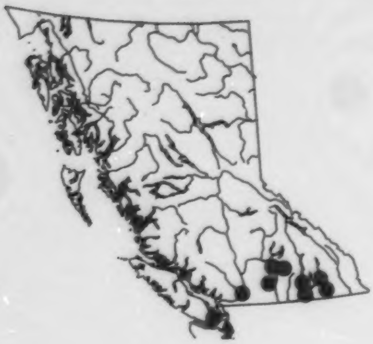
Scirpus atrocinctus



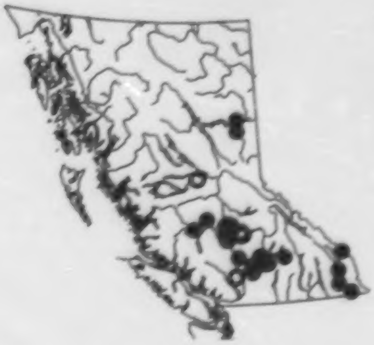
Scirpus microcarpus



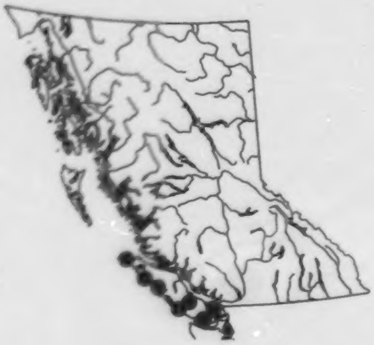
Scirpus pallidus



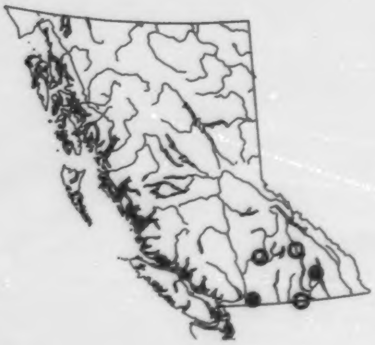
Scleranthus annuus



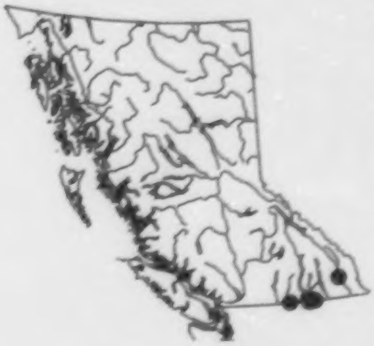
Scolochloa festucacea



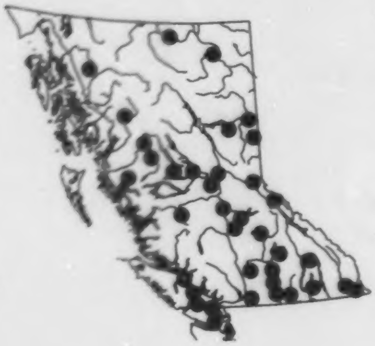
Scrophularia californica var. *oregana*



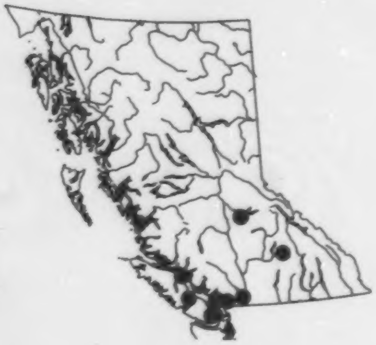
Scrophularia lanceolata



Scutellaria angustifolia



Scutellaria galericulata



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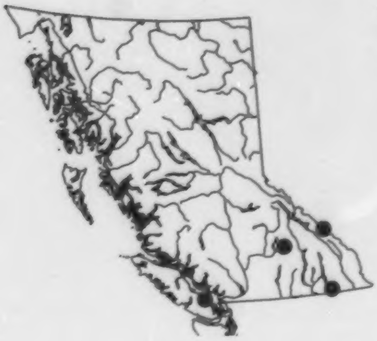
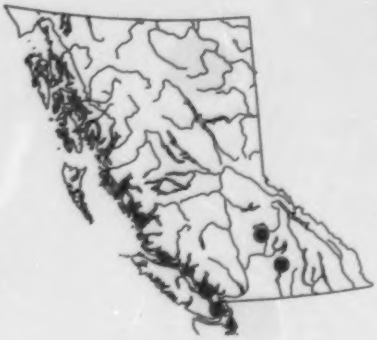
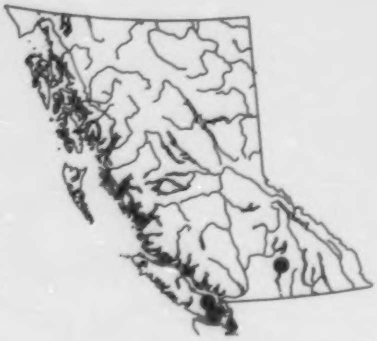


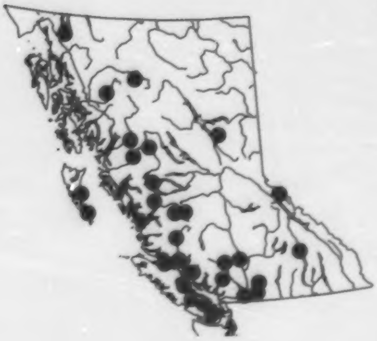
Secale cereale



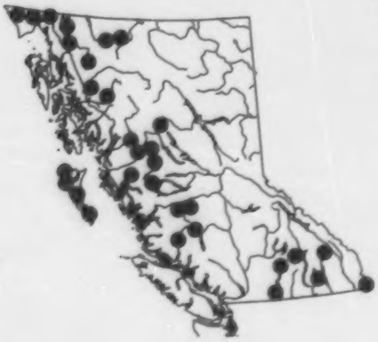
Sedum acre



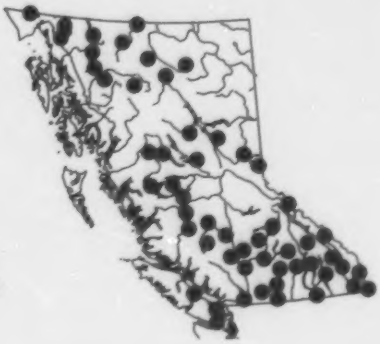
Sedum album



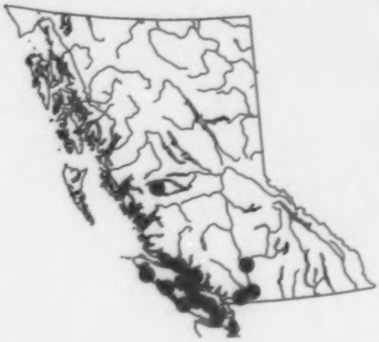
Sedum divergens



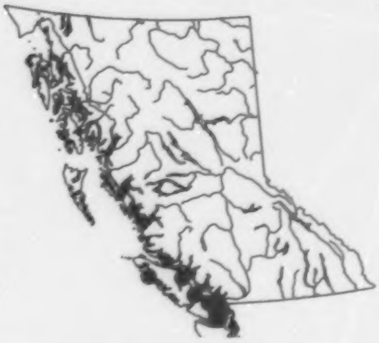
Sedum integrifolium
ssp. integrifolium



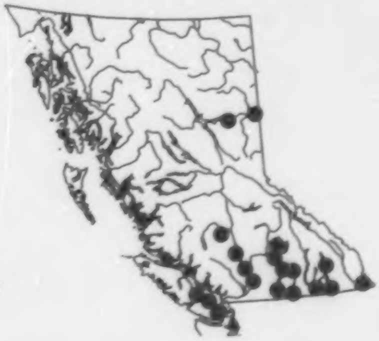
Sedum lanceolatum
sensu lato



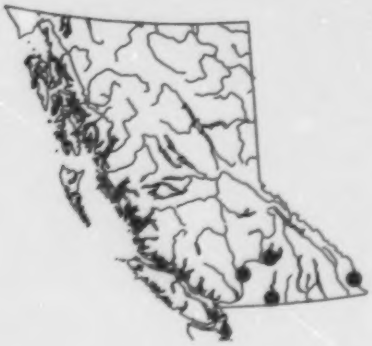
Sedum oreganum

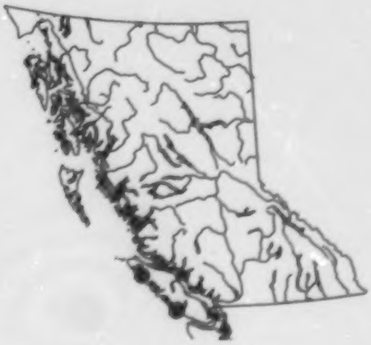


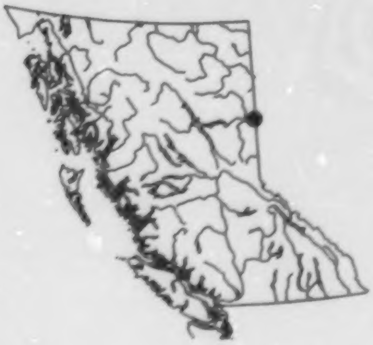
Sedum spathulifolium
sensu lato



Sedum stenopetalum


Selaginella densa


Selaginella oregana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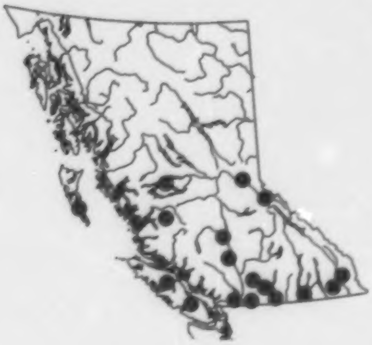
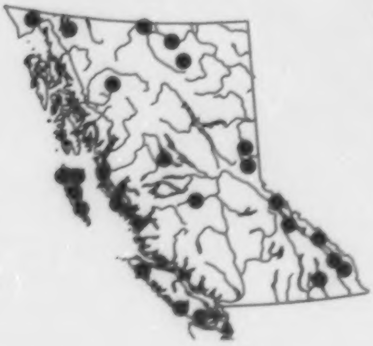
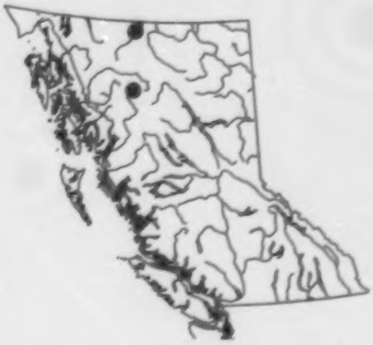
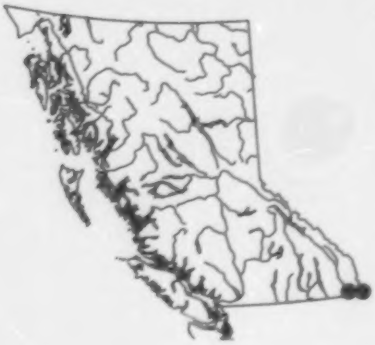
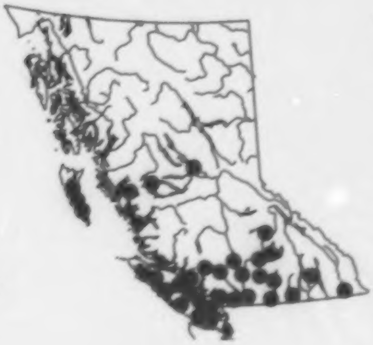
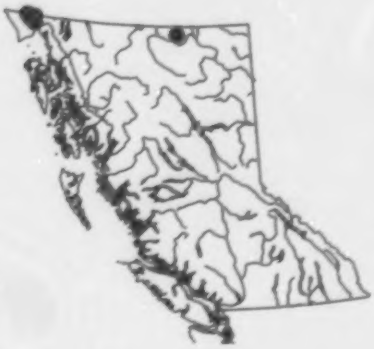

Selaginella scopulorum

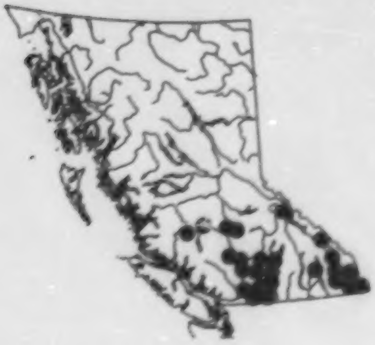

Selaginella selaginoides


Selaginella sibirica

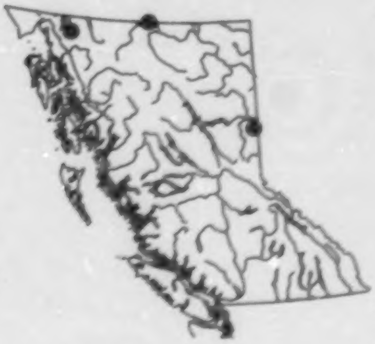

Selaginella standleyi


Selaginella wallacei

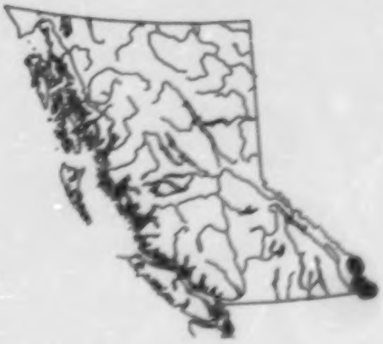

Senecio atropurpureus



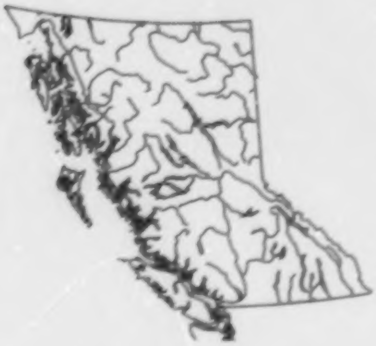
Senecio canus



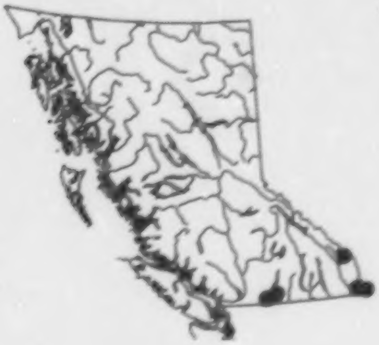
Senecio congestus



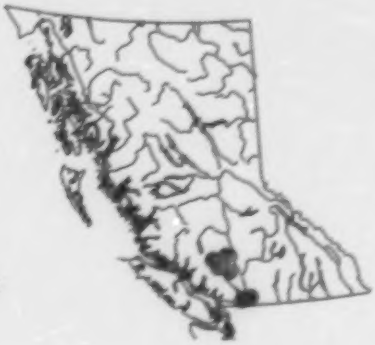
Senecio conterminus



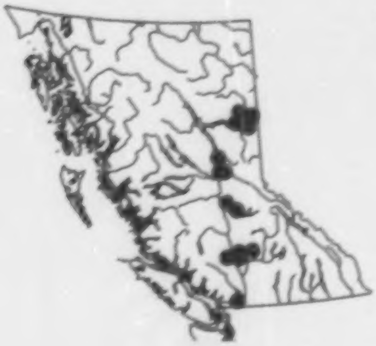
Senecio cymbalaria



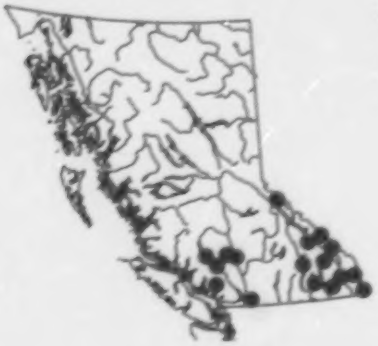
Senecio cymbalarioides



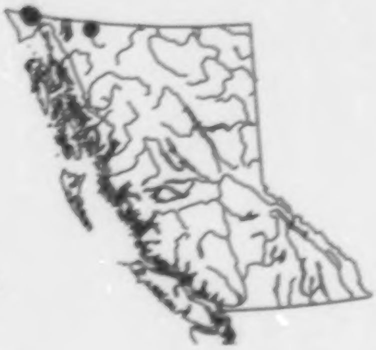
Senecio elmeri



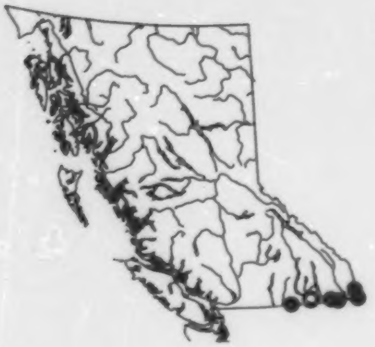
Senecio eremophilus
ssp. eremophilus



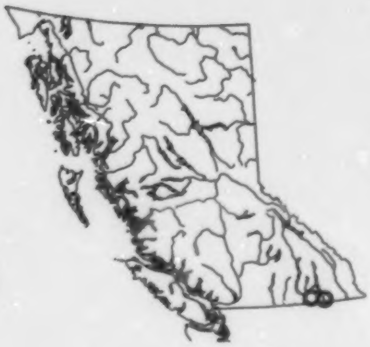
Senecio fremontii
ssp. fremontii



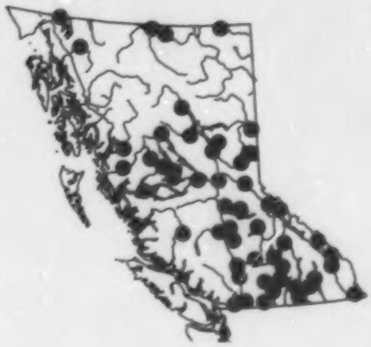
Senecio fuscatus



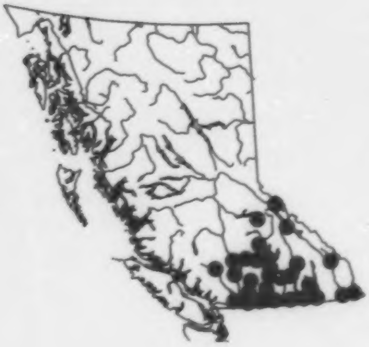
Senecio hydrophiloides



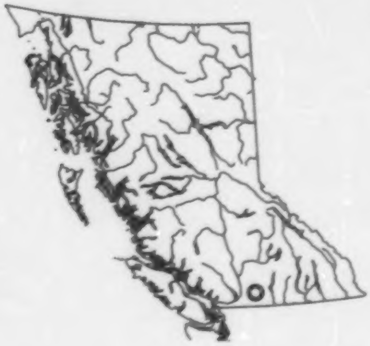
Senecio hydrophilus



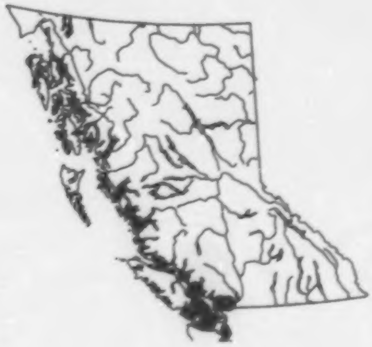
Senecio indecorus



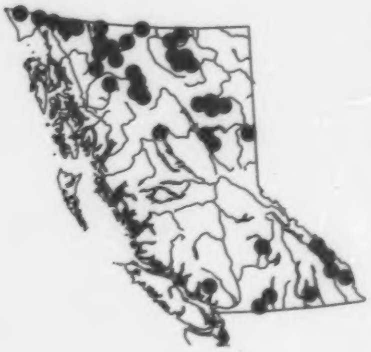
Senecio integerrimus* var. *exaltatus



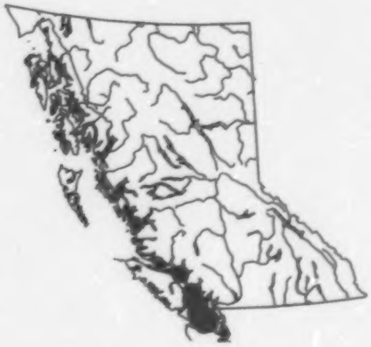
Senecio integerrimus* var. *ochroleucus



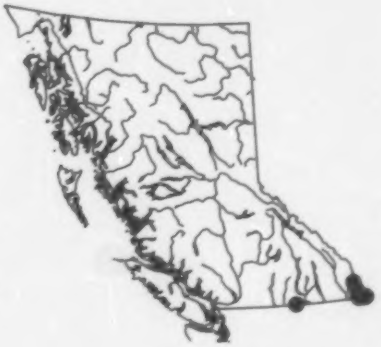
Senecio jacobaea



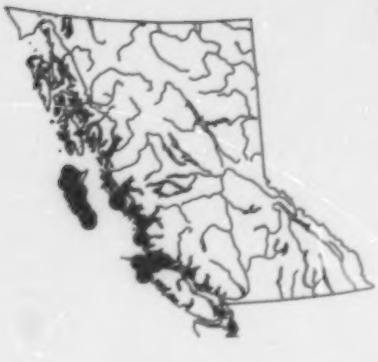
Senecio lugens



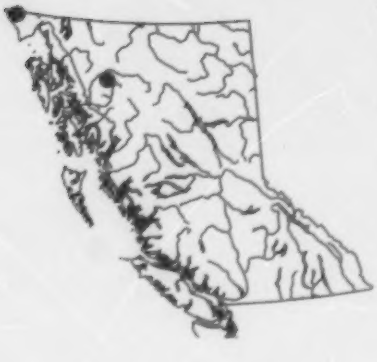
Senecio macounii



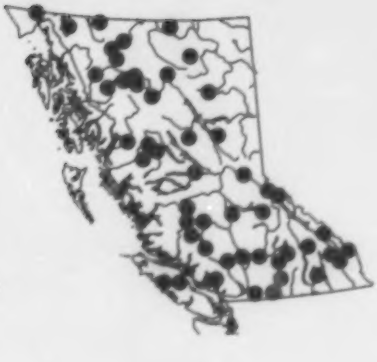
Senecio megacephalus



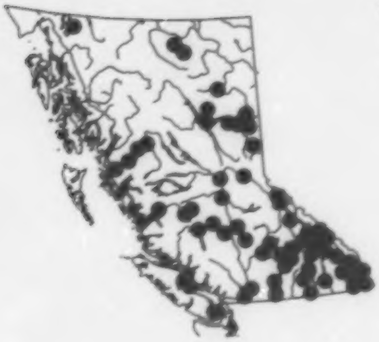
Senecio moresbiensis



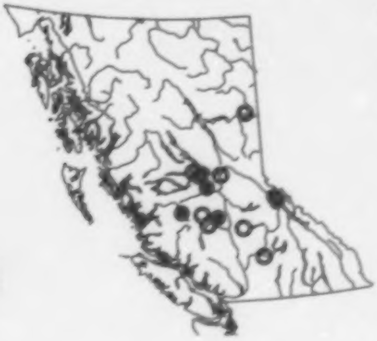
Senecio ogotorukensis



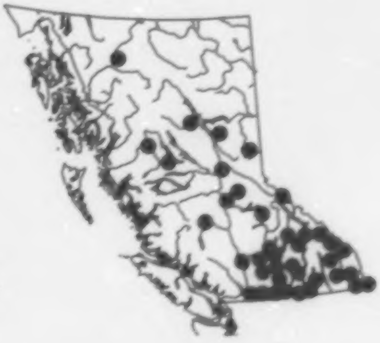
Senecio pauciflorus



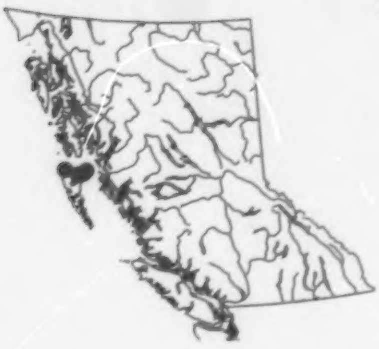
Senecio pauperculus



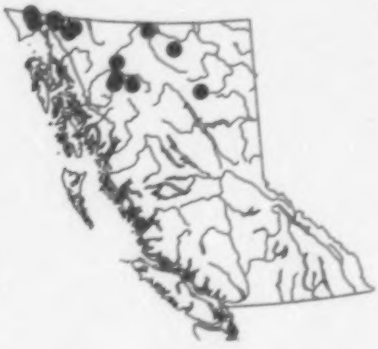
Senecio plattensis



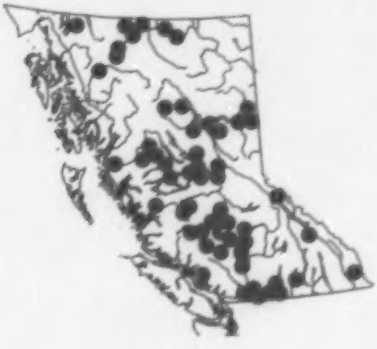
Senecio pseudaureus
ssp. pseudaureus



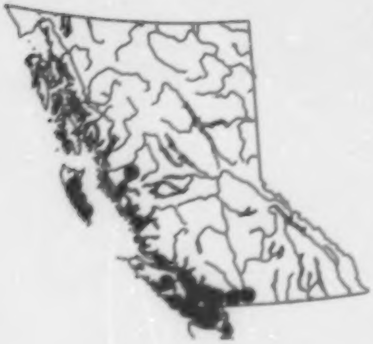
Senecio pseudoarnica



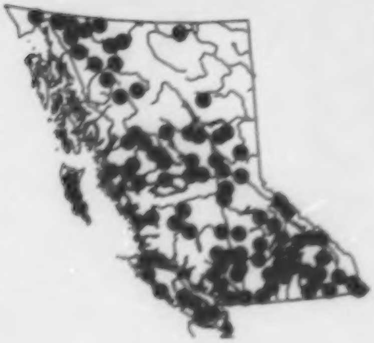
Senecio sheldonensis



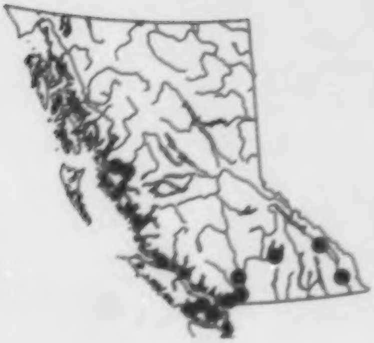
Senecio streptanthifolius



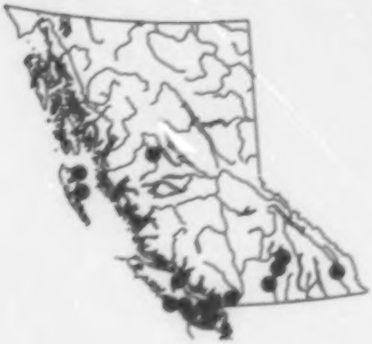
Senecio sylvaticus



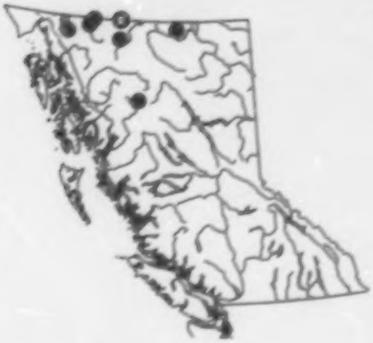
Senecio triangularis



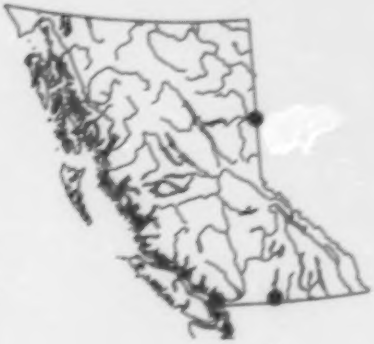
Senecio viscosus



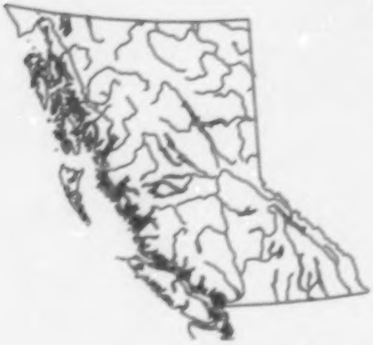
Senecio vulgaris



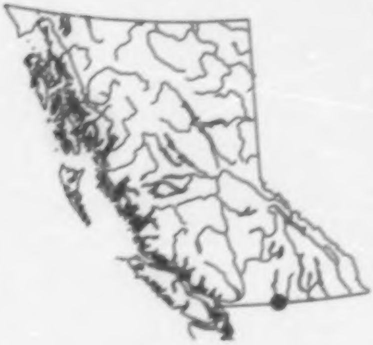
Senecio yukonensis



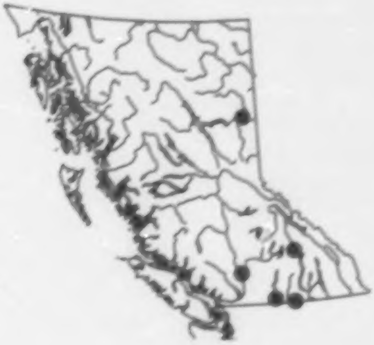
Setaria glauca



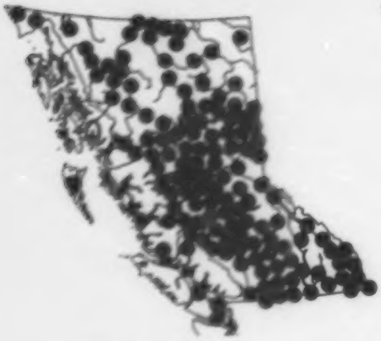
Setaria italica



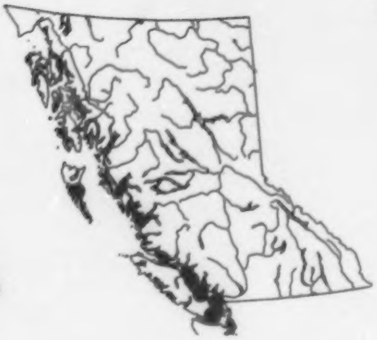
Setaria verticillata



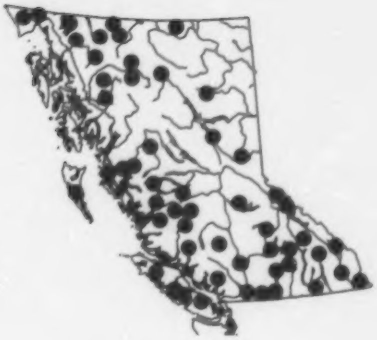
Setaria viridis



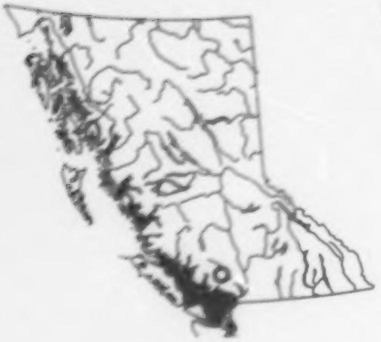
Shepherdia canadensis



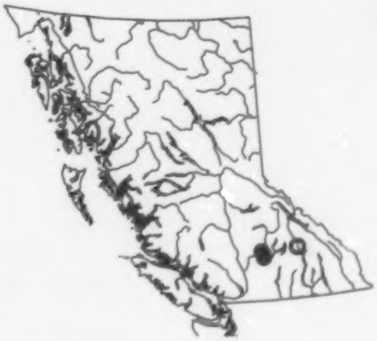
Sherardia arvensis



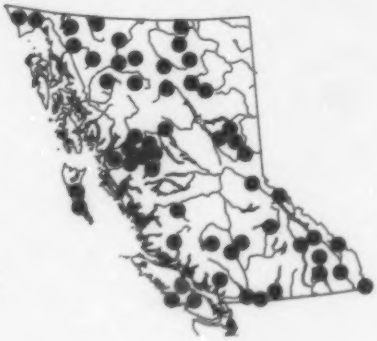
Sibbaldia procumbens



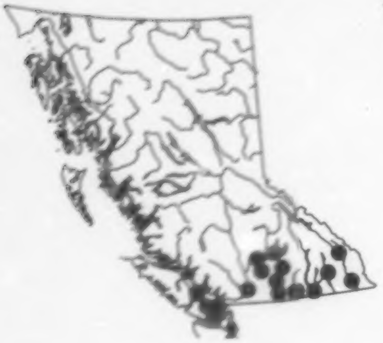
Sidalcea hendersonii



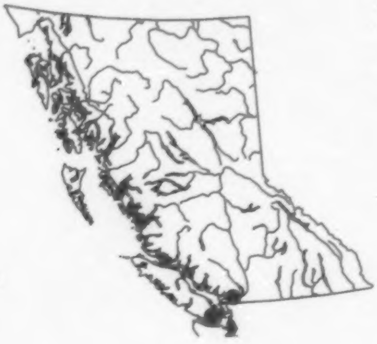
Sidalcea oregana
var. procera



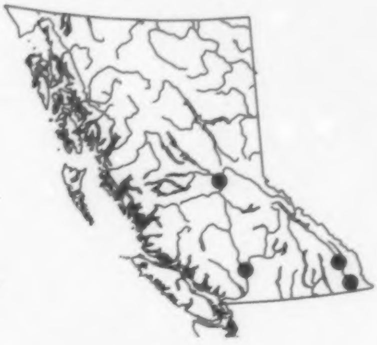
Silene acaulis sensu lato



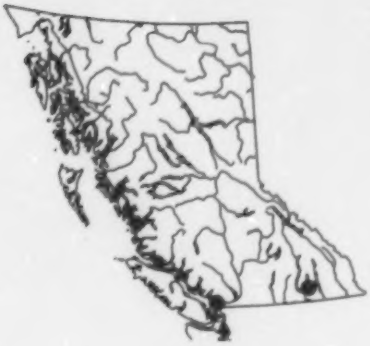
Silene antirrhina



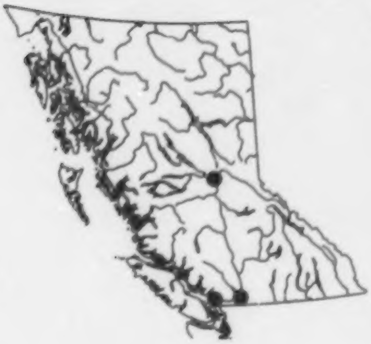
Silene armeria



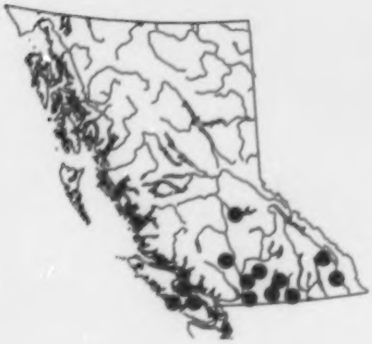
Silene cserei



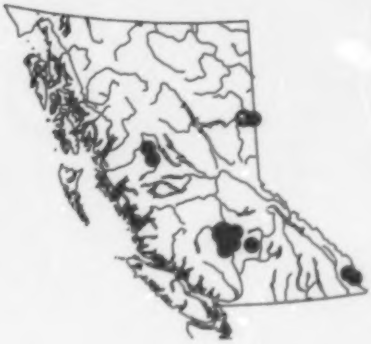
Silene dichotoma



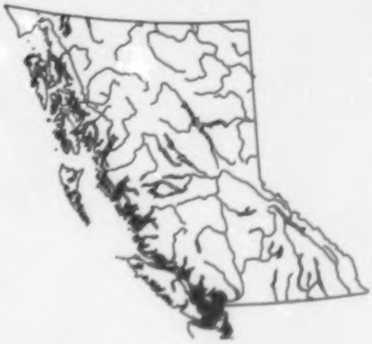
Silene dioica



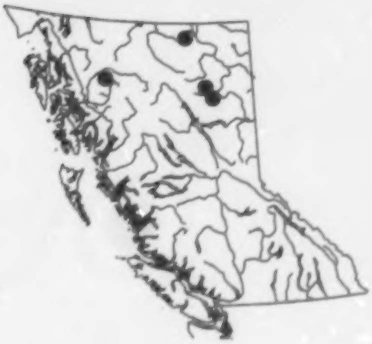
Silene douglasii
var. douglasii



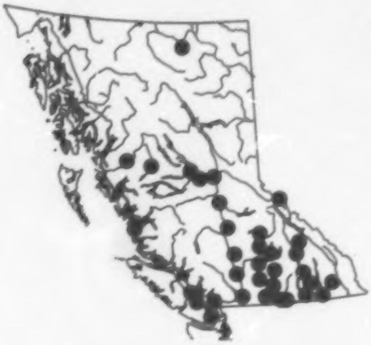
Silene drummondii
var. drummondii



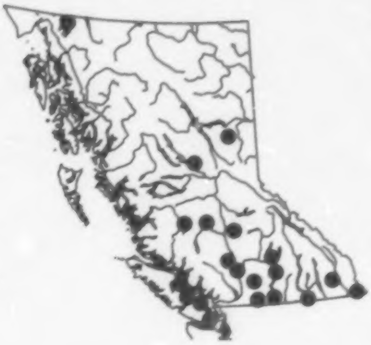
Silene gallica



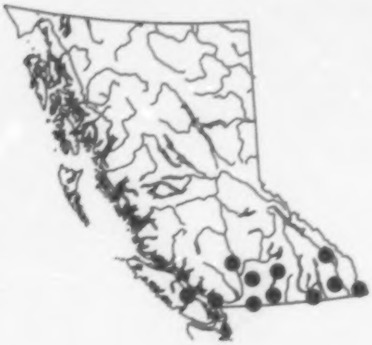
Silene involucrata
ssp. involucrata



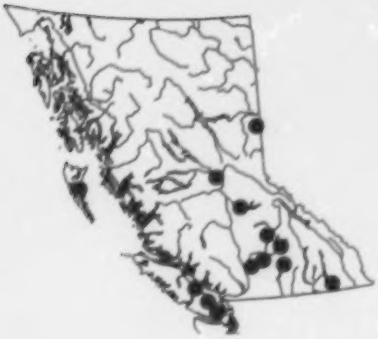
Silene latifolia
ssp. alba



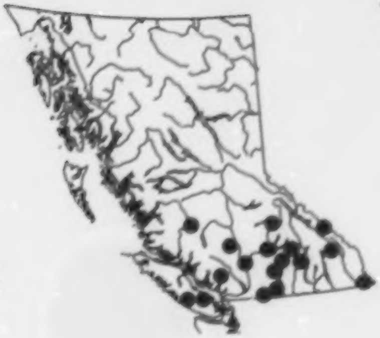
Silene menziesii
var. menziesii



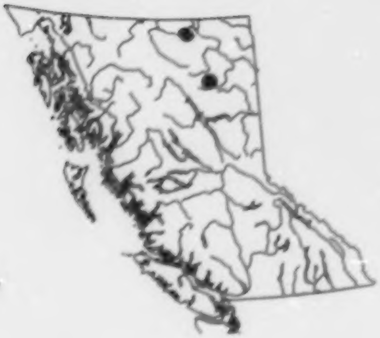
Silene menziesii
var. viscosa



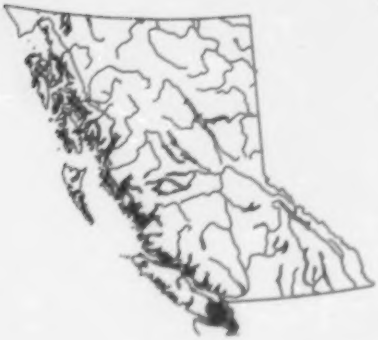
Silene noctiflora



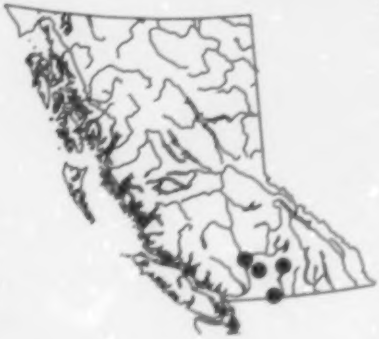
Silene parryi



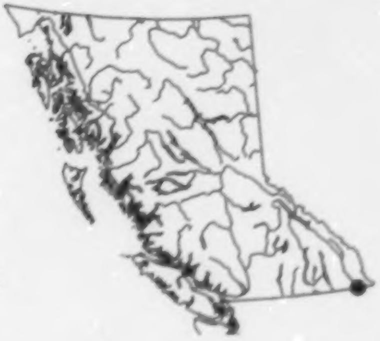
Silene repens



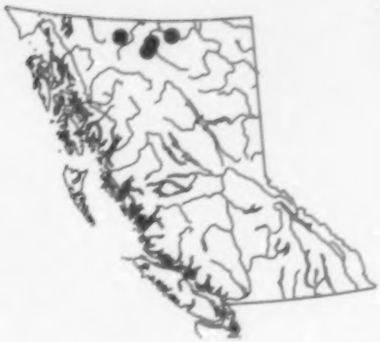
Silene scouleri ssp. *grandis*



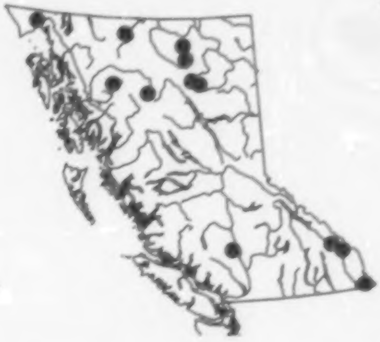
Silene scouleri ssp. *scouleri*



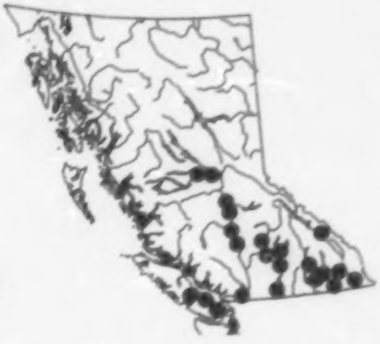
Silene spaldingii



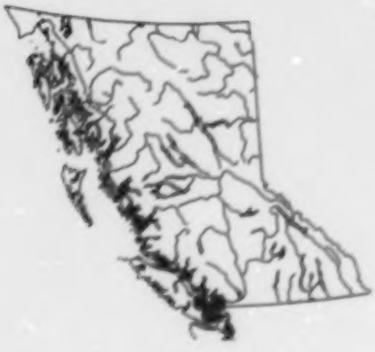
Silene taimyrensis



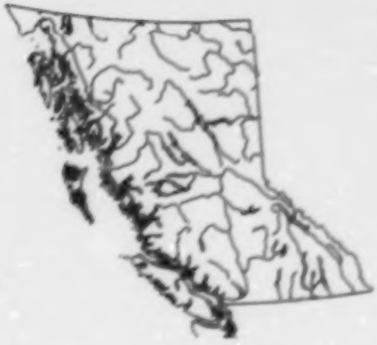
Silene uralensis
ssp. *attenuata*



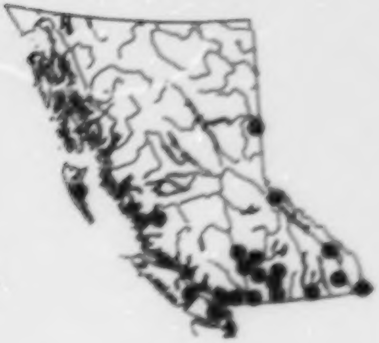
Silene vulgaris



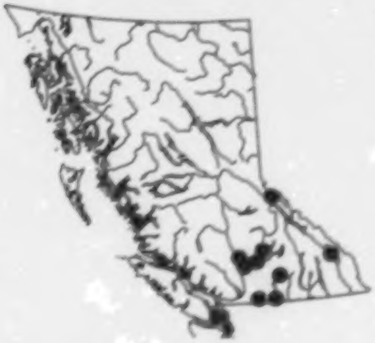
Silybum marianum



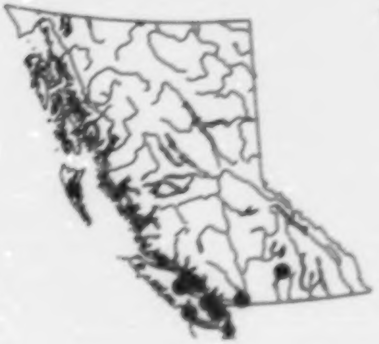
Sinosenecio newcombei



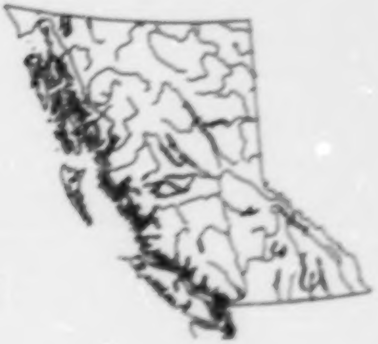
Sisymbrium altissimum



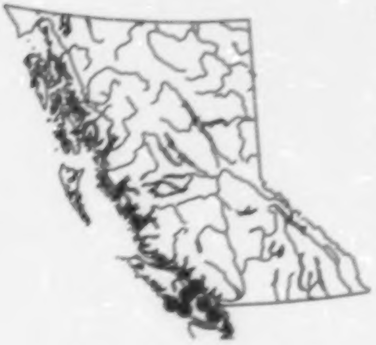
Sisymbrium loeselii



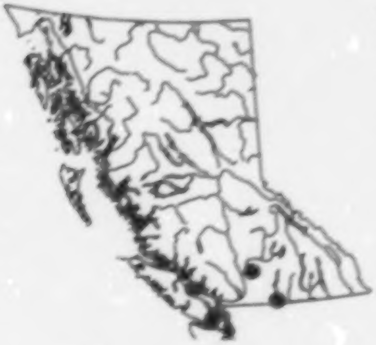
Sisymbrium officinale



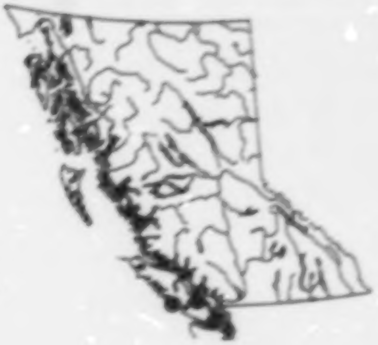
Sisymbrium orientale



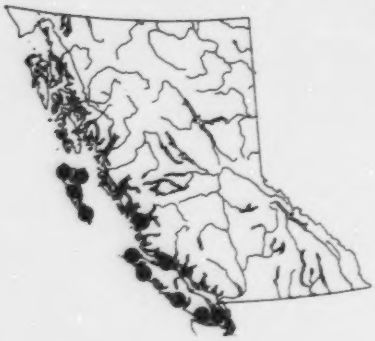
Sisyrinchium californicum



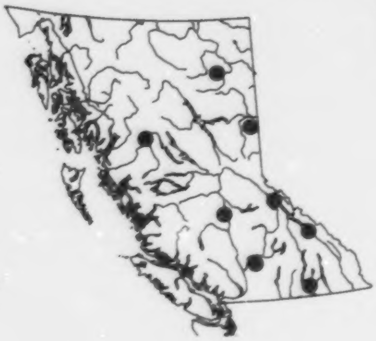
Sisyrinchium idahoense
var. idahoense



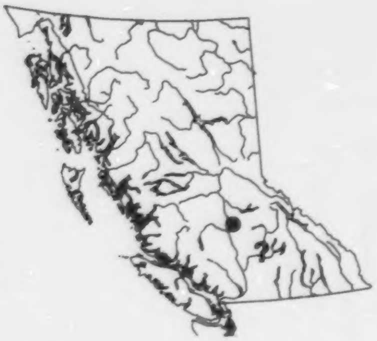
Sisyrinchium idahoense
var. macounii



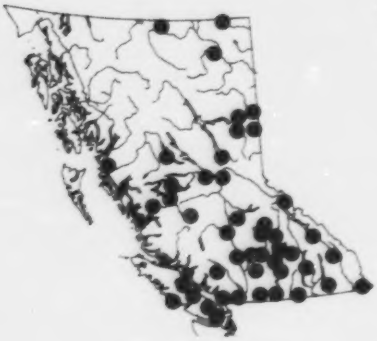
Sisyrinchium littorale



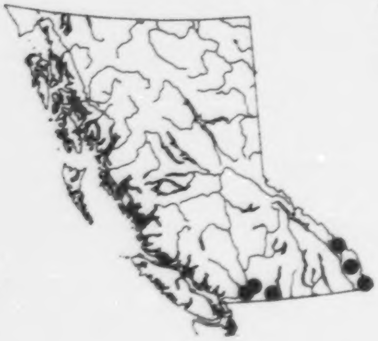
Sisyrinchium montanum



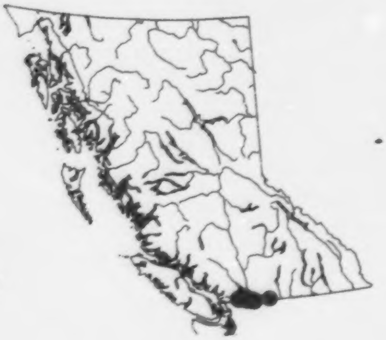
Sisyrinchium septentrionale



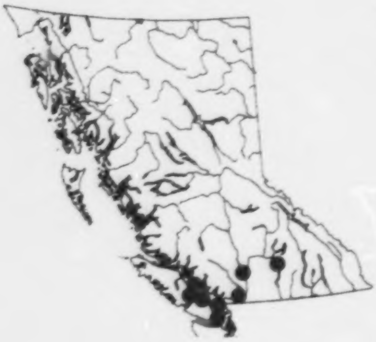
Sium suave



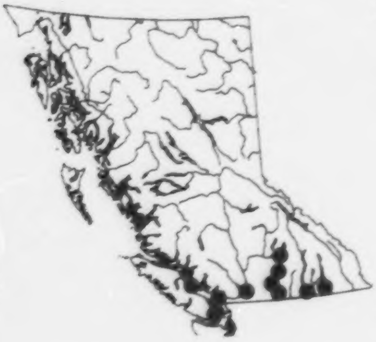
Smelowskia calycina



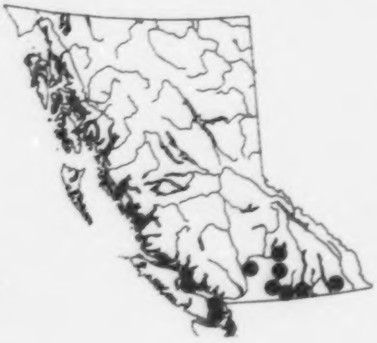
Smelowskia ovalis



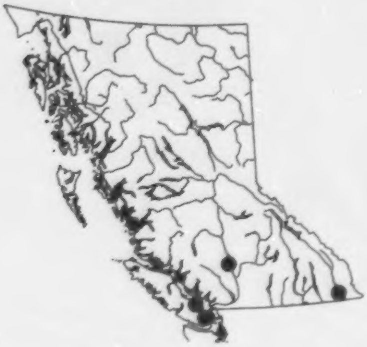
Solanum americanum
var. nodiflorum



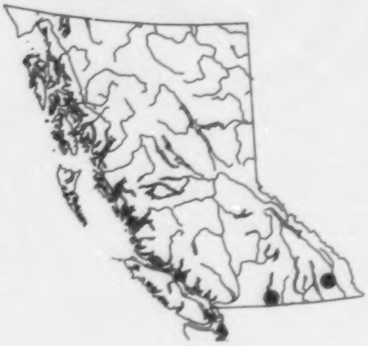
Solanum dulcamara
var. dulcamara



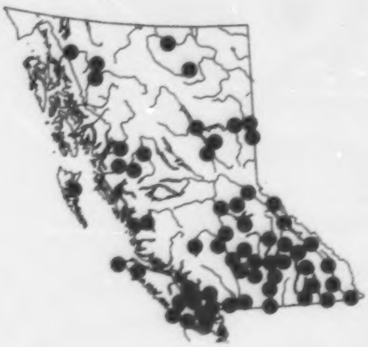
Solanum physalifolium



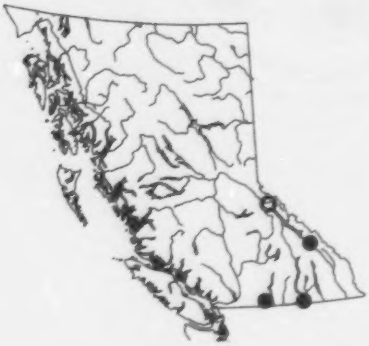
Solanum rostratum



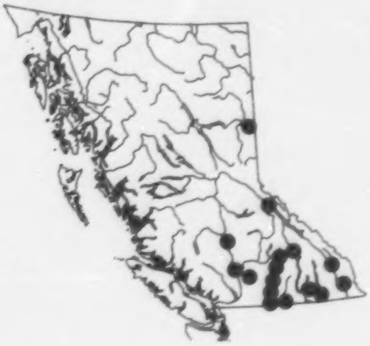
Solanum triflorum



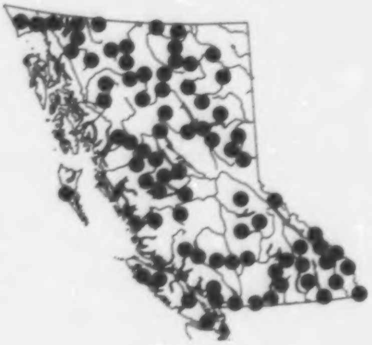
Solidago canadensis sensu lato



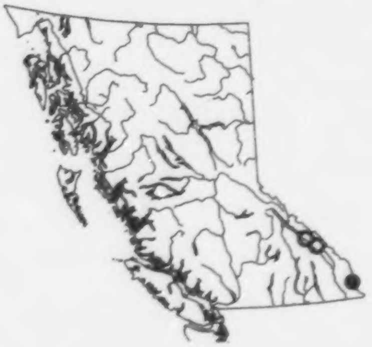
Solidago gigantea ssp. serotina



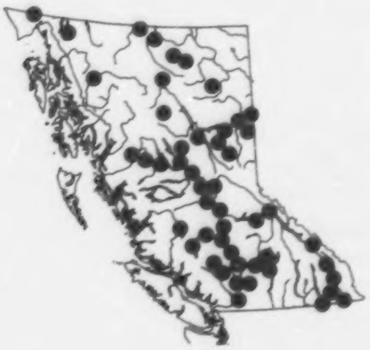
Solidago missouriensis
var. missouriensis



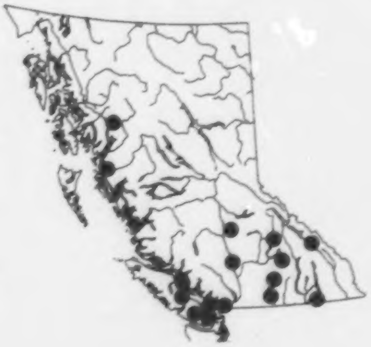
Solidago multiradiata



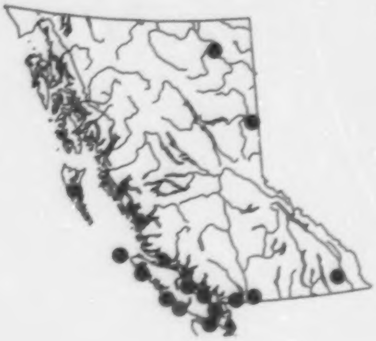
Solidago nemoralis
ssp. longipetiolata



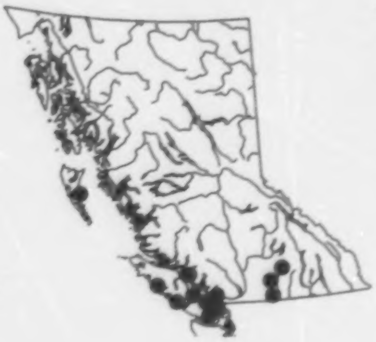
Solidago spathulata
sensu lato



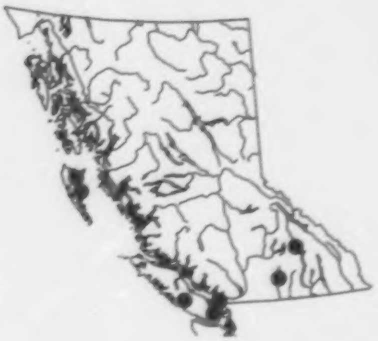
Sonchus arvensis sensu lato



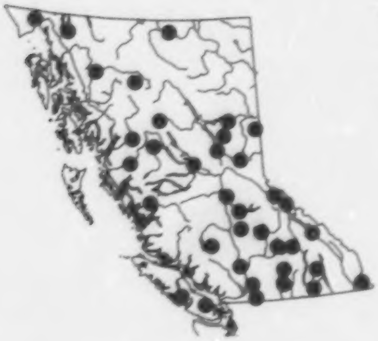
Sonchus asper



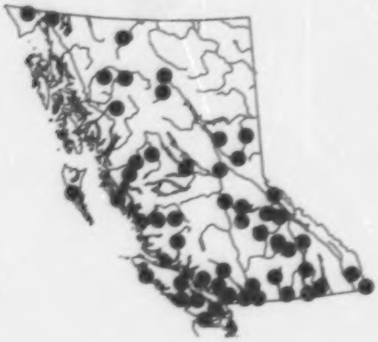
Sonchus oleraceus



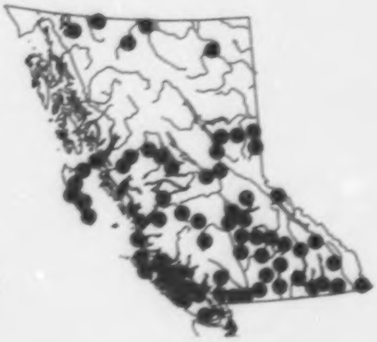
Sorbus aucuparia



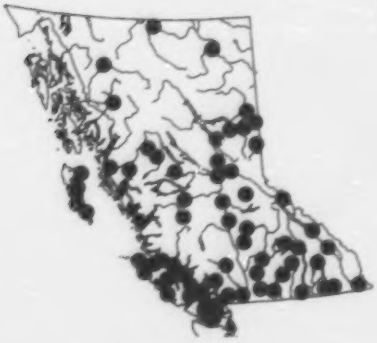
Sorbus scopulina sensu lato



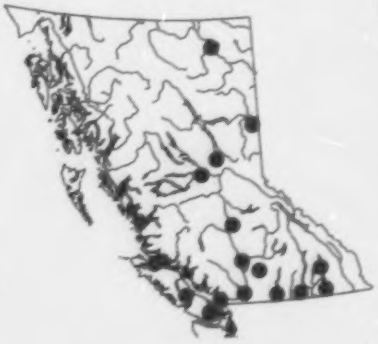
Sorbus sitchensis sensu lato



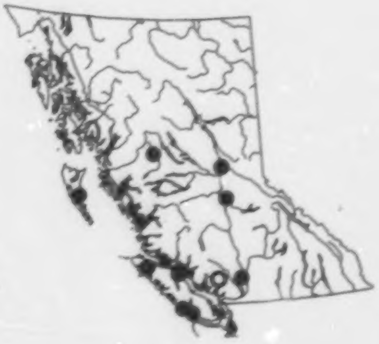
Sparganium angustifolium



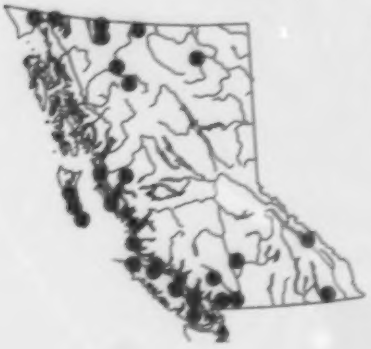
Sparganium emersum



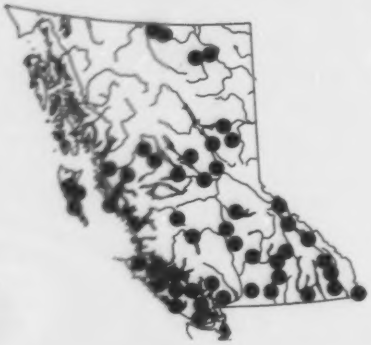
Sparganium eurycarpum



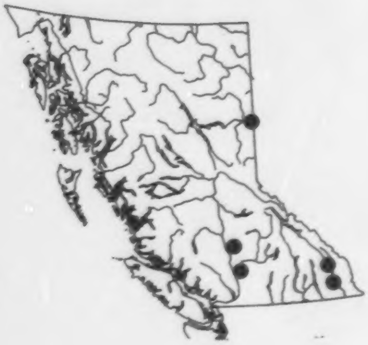
Sparganium fluctuans



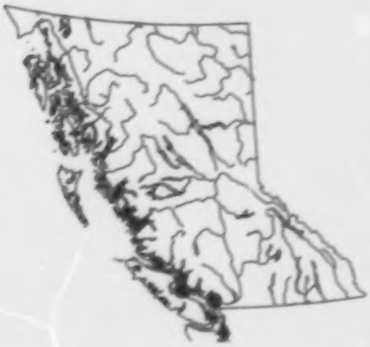
Sparganium hyperboreum



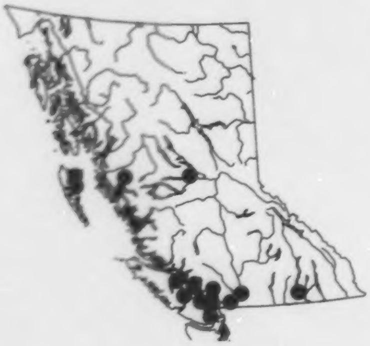
Sparganium natans



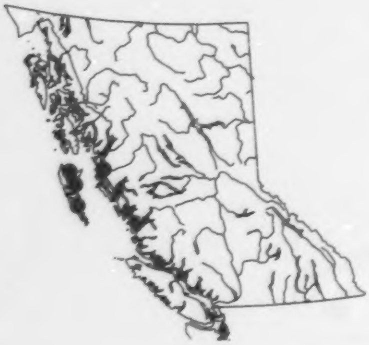
Spartina gracilis



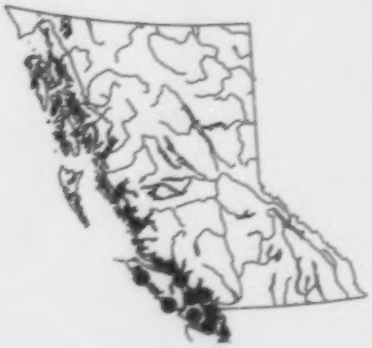
Spartina patens



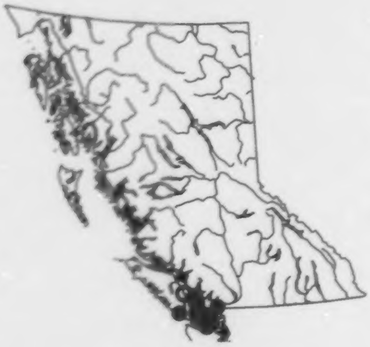
Spergula arvensis



Spergularia canadensis
var. *canadensis*



Spergularia canadensis
var. *occidentalis*



Spergularia macrotheca
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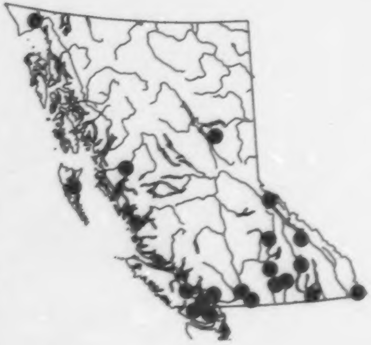
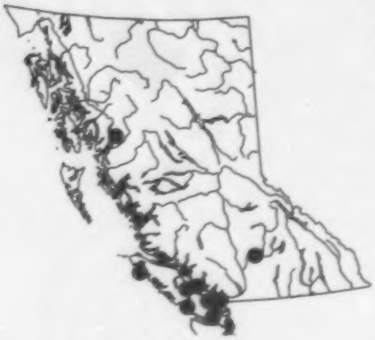
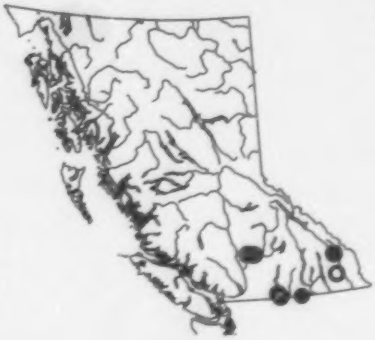


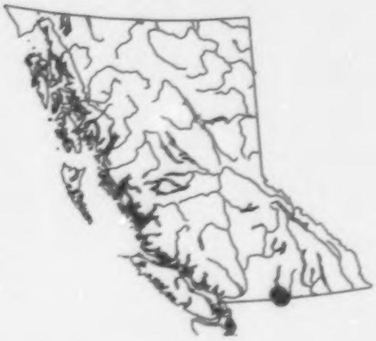
Spergularia rubra



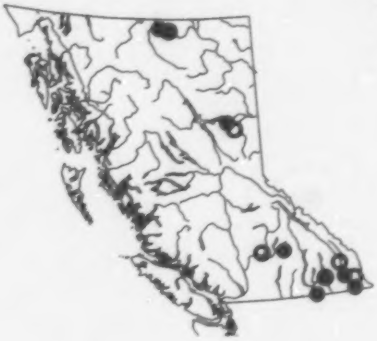
Spergularia salina var. *salina*



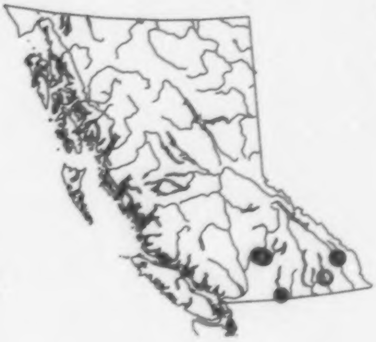
Sphaeralcea coccinea



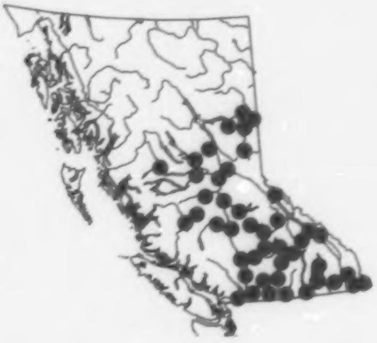
Sphaeralcea munroana



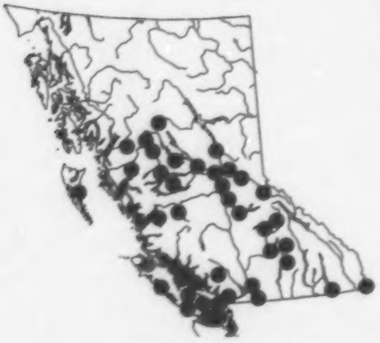
Sphenopholis intermedia



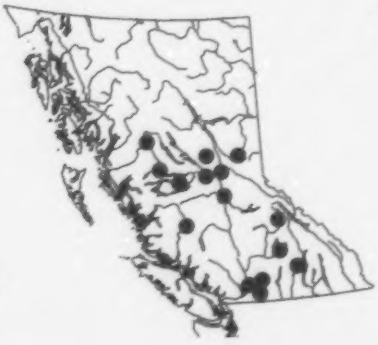
Sphenopholis obtusata



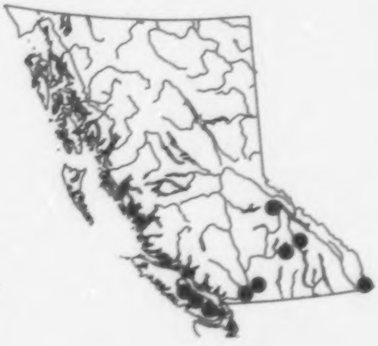
Spiraea betulifolia ssp. *lucida*



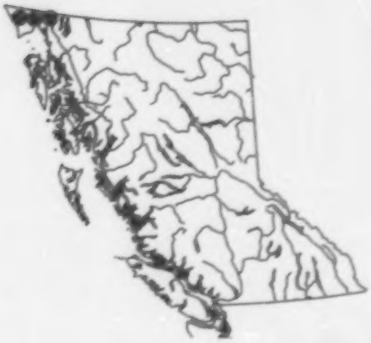
Spiraea douglasii sensu lato

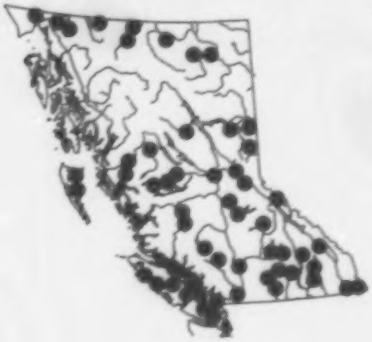


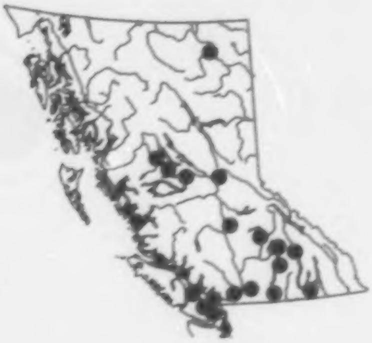
Spiraea pyramidata

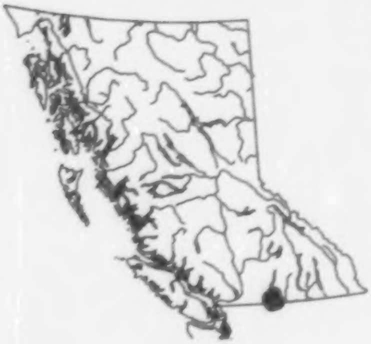


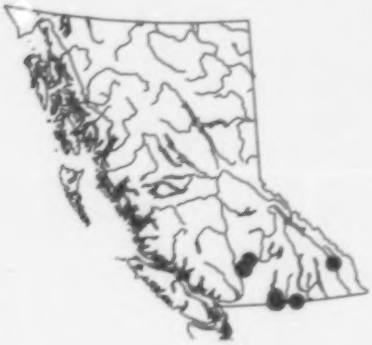
Spiraea splendens ssp. *splendens*

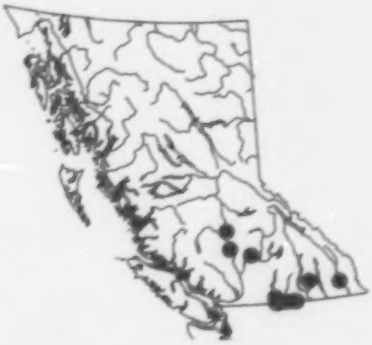

Spiraea stevenii

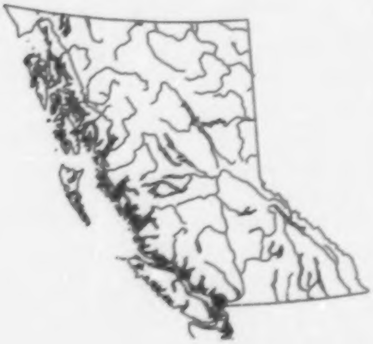

Spiranthes romanzoffiana

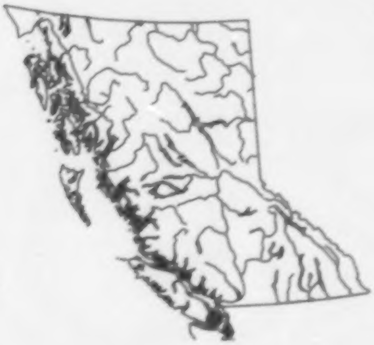

Spirodela polyrhiza

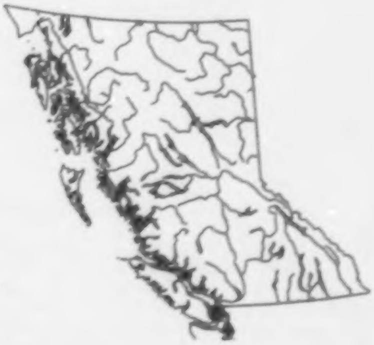

Sporobolus airoides

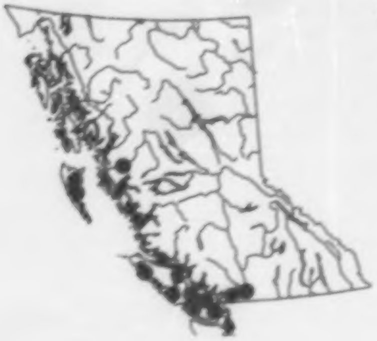

Sporobolus compositus var. *compositus*


Sporobolus cryptandrus

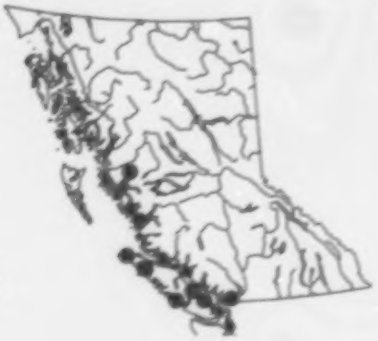

Sporobolus vaginiflorus ssp. *vaginiflorus*


Stachys arvensis

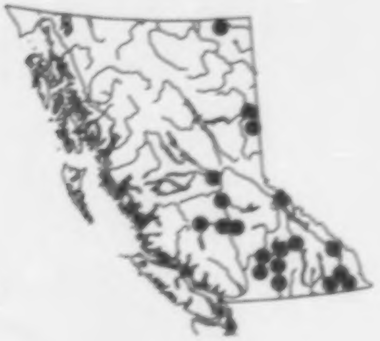

Stachys byzantina



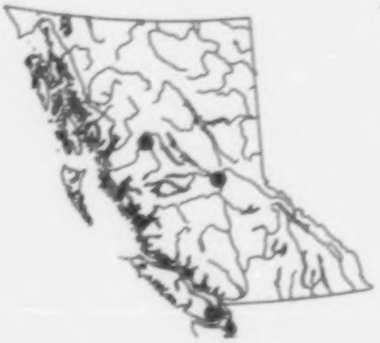
Stachys chamissonis
var. *cooleyae*



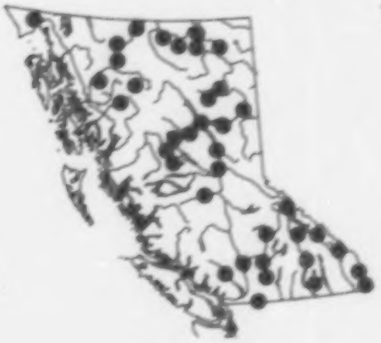
Stachys mexicana



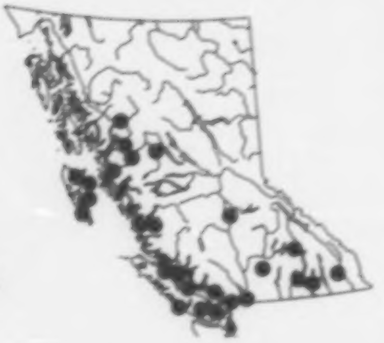
Stachys palustris
ssp. *pilosa*



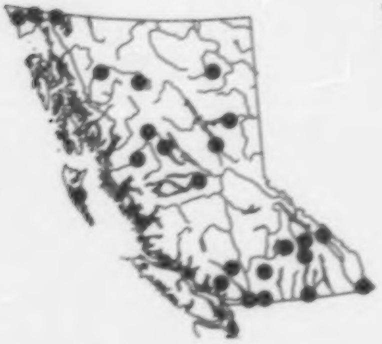
Stellaria alsine



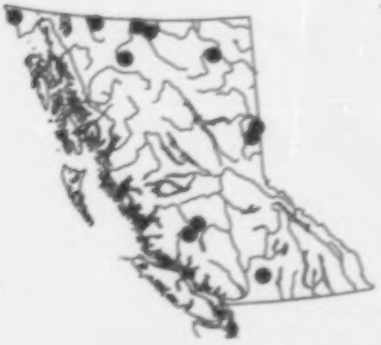
Stellaria borealis
ssp. *borealis*



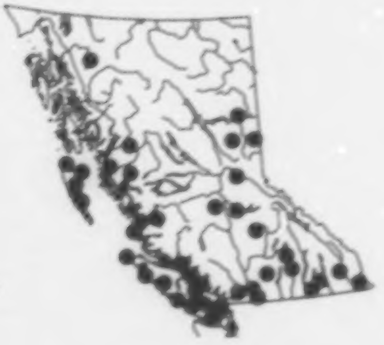
Stellaria borealis
ssp. *sitchana*



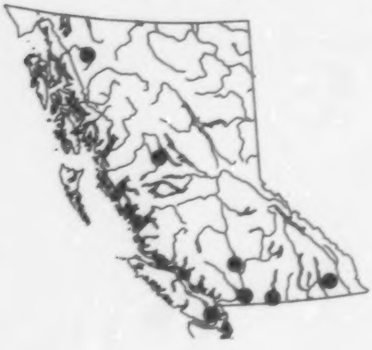
Stellaria calycantha



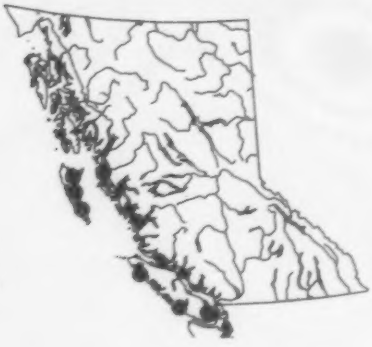
Stellaria crassifolia



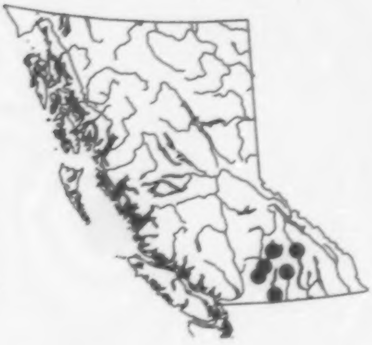
Stellaria crispa



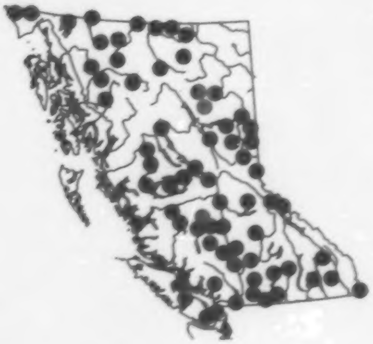
Stellaria graminea



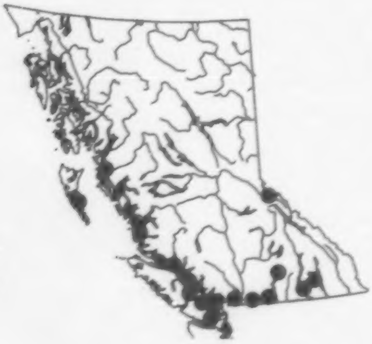
Stellaria humifusa



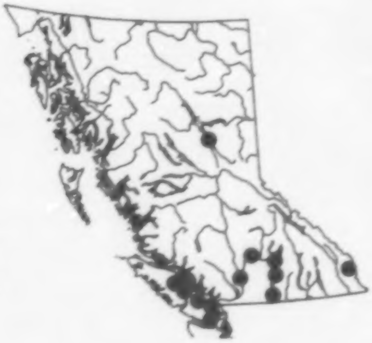
Stellaria longifolia



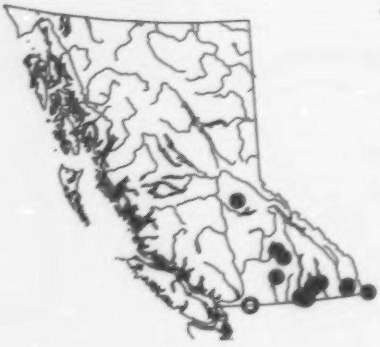
Stellaria longipes sensu lato



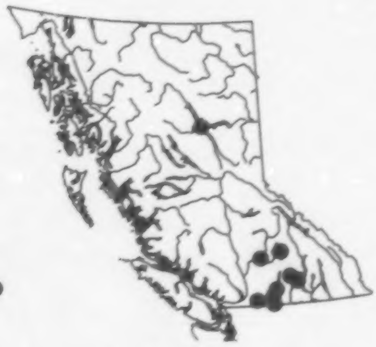
Stellaria media



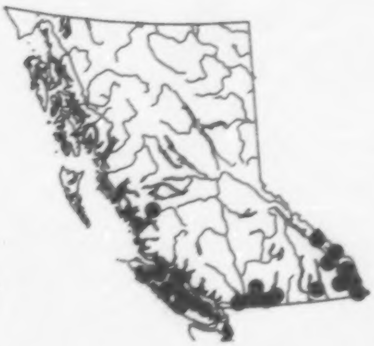
Stellaria nitens



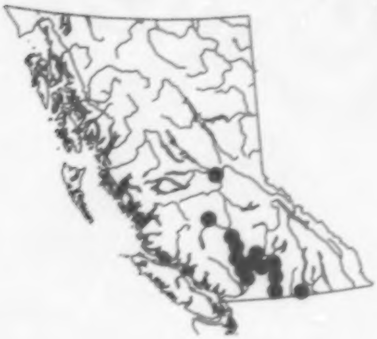
Stellaria obtusa



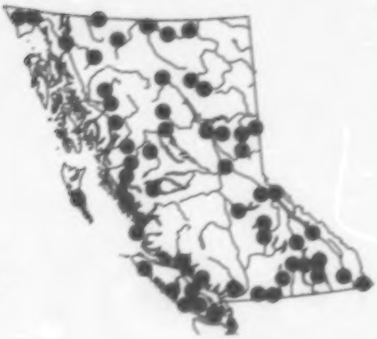
Stellaria umbellata



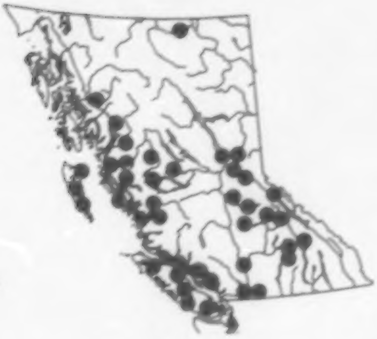
Stenanthium occidentale



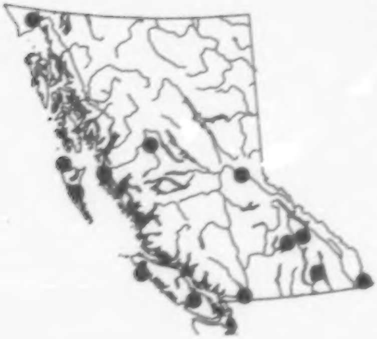
Stephanomeria tenuifolia



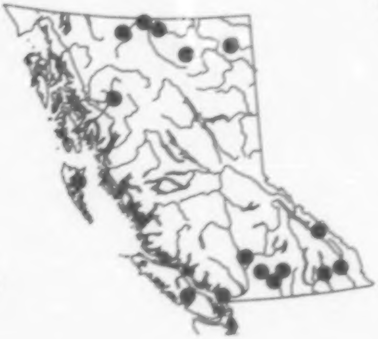
***Streptopus amplexifolius* sensu lato**



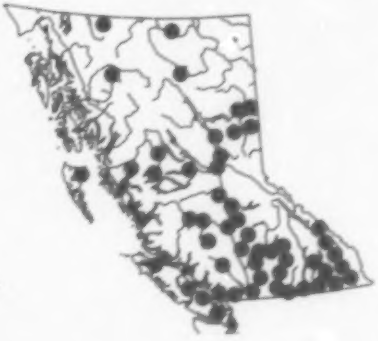
Streptopus lanceolatus* var. *curvipes



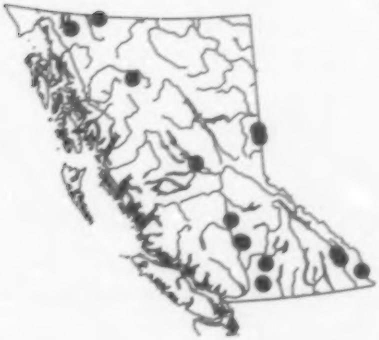
Streptopus streptopoides* ssp. *brevipes



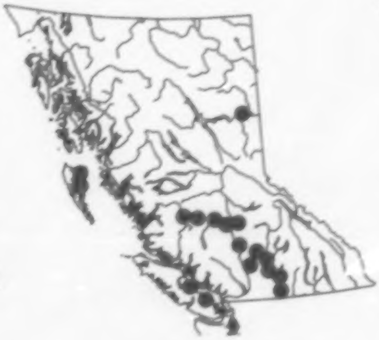
***Stuckenia filiformis* sensu lato**



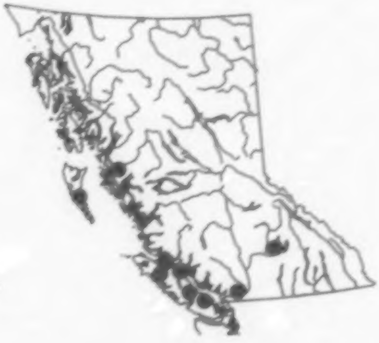
Stuckenia pectinata



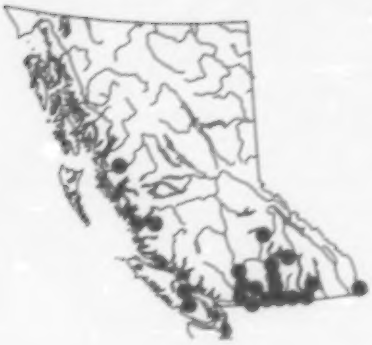
Stuckenia vaginata



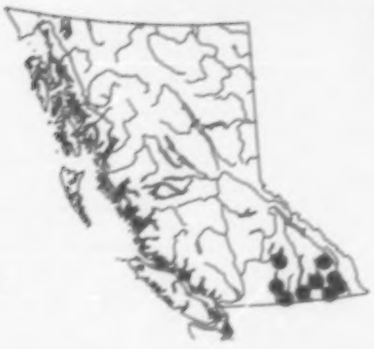
Suaeda calceoliformis



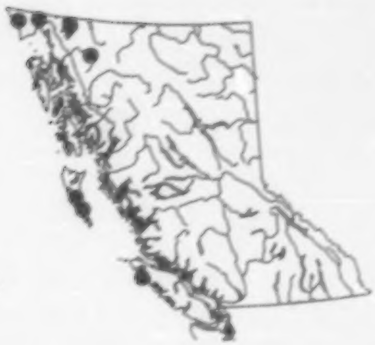
Subularia aquatica* ssp. *americana



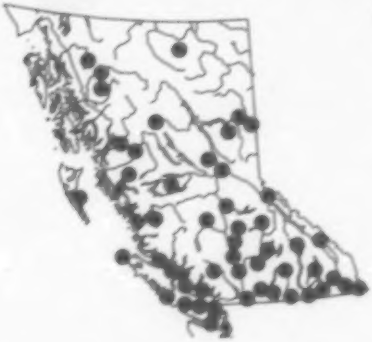
Suksdorfia ranunculifolia



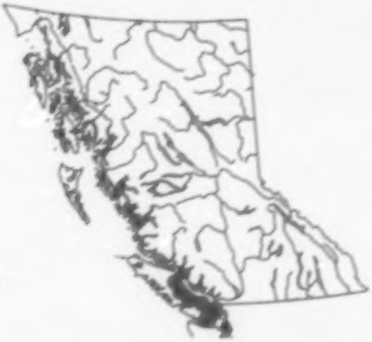
Suksdorfia violacea



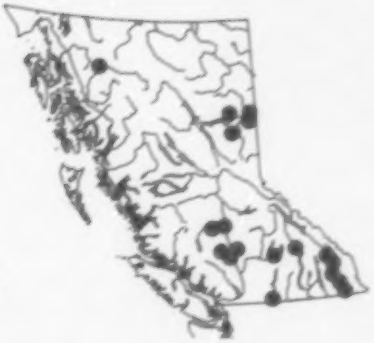
Swertia perennis



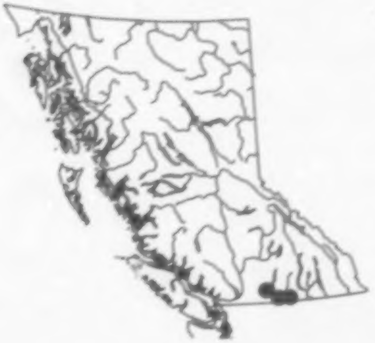
Symphoricarpos albus sensu lato



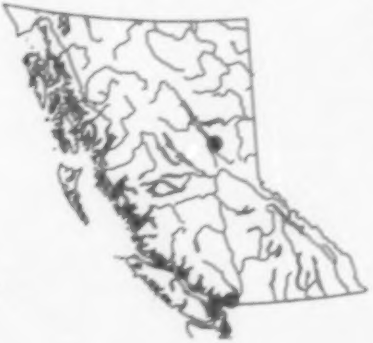
Symphoricarpos hesperius



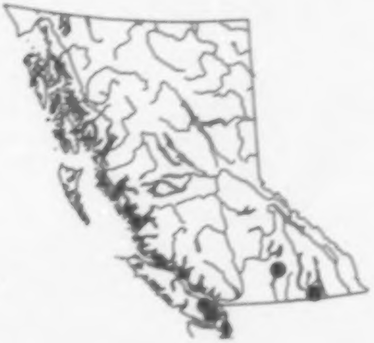
Symphoricarpos occidentalis



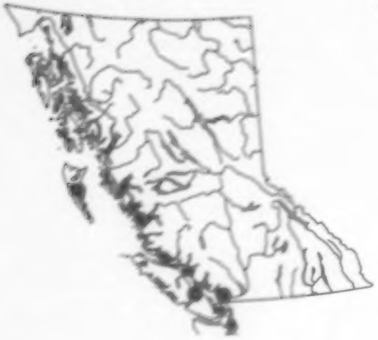
Symphoricarpos oreophilus var. utahensis



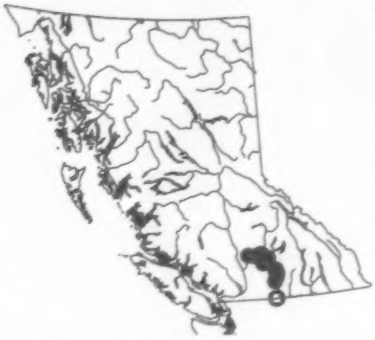
Symphytum asperum



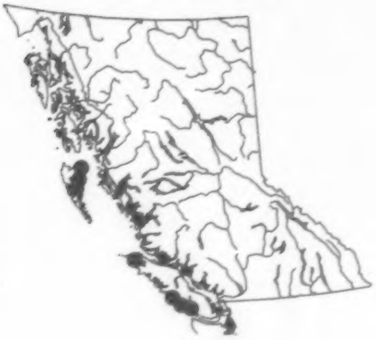
Symphytum officinale



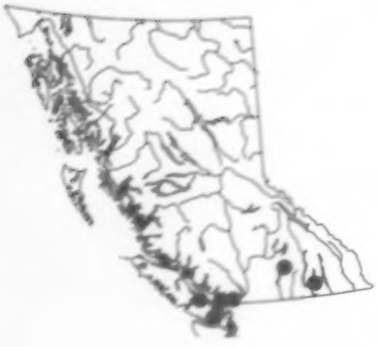
Symphytum x uplandicum



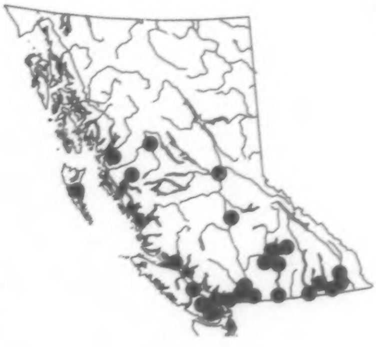
Talinum sediforme



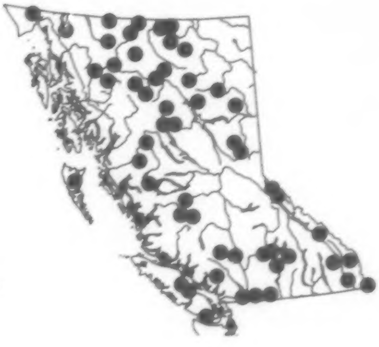
Tanacetum bipinnatum
ssp. huronense



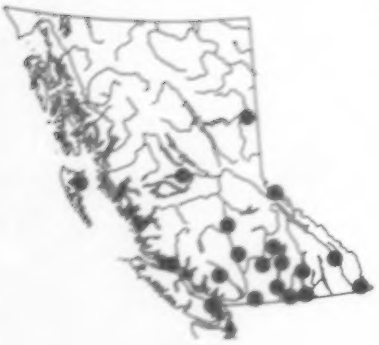
Tanacetum parthenium



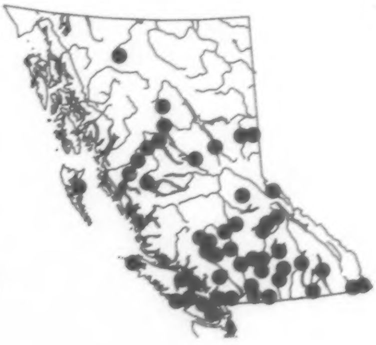
Tanacetum vulgare



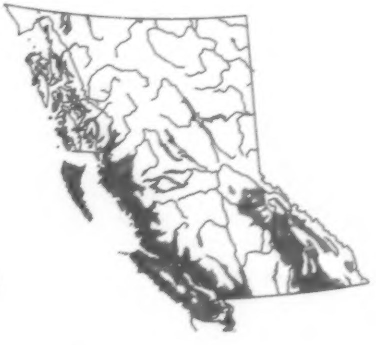
Taraxacum ceratophorum



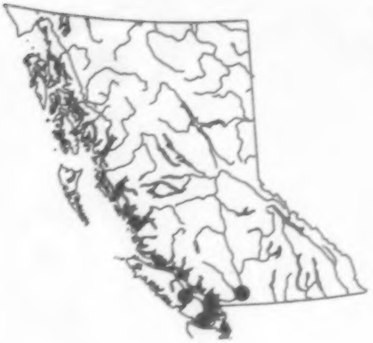
Taraxacum laevigatum



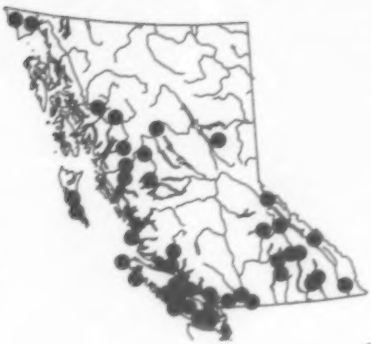
Taraxacum officinale



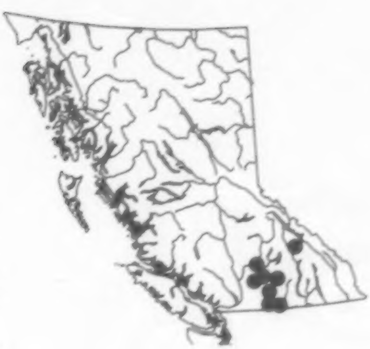
Taxus brevifolia



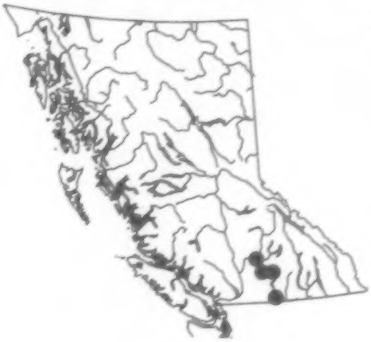
Teesdalia nudicaulis



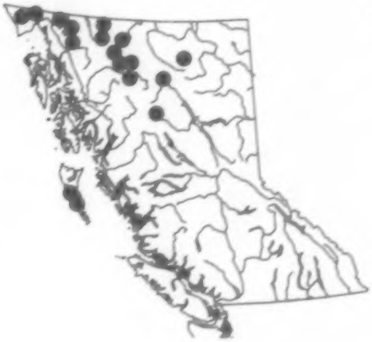
Tellima grandiflora



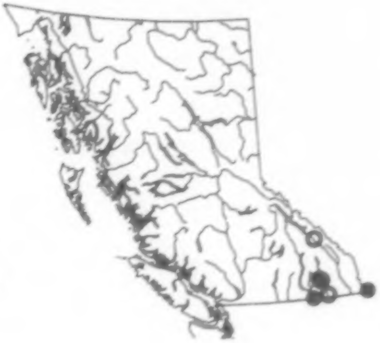
Tetradymia canescens



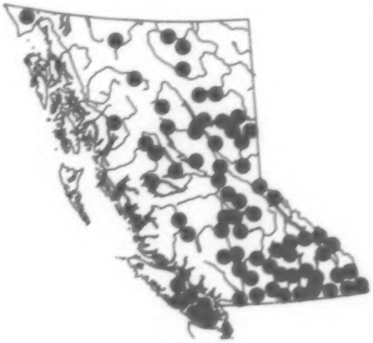
Teucrium canadense
var. occidentale



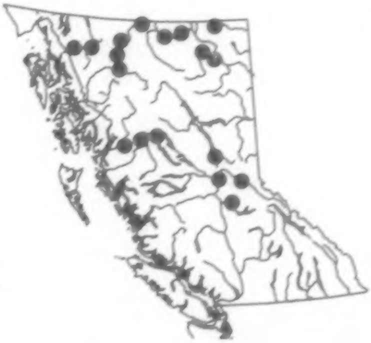
Thalictrum alpinum



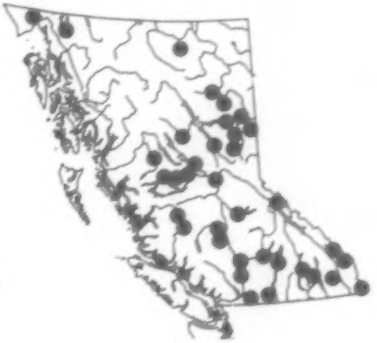
Thalictrum dasycarpum



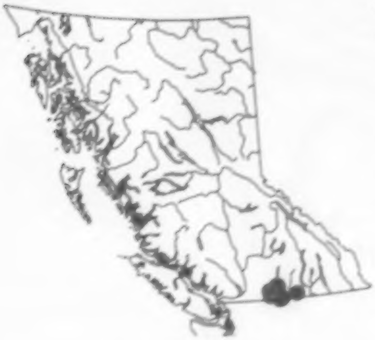
Thalictrum occidentale



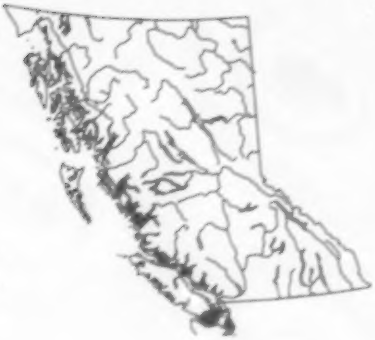
Thalictrum sparsiflorum



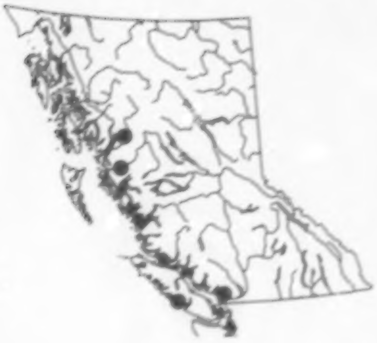
Thalictrum venulosum



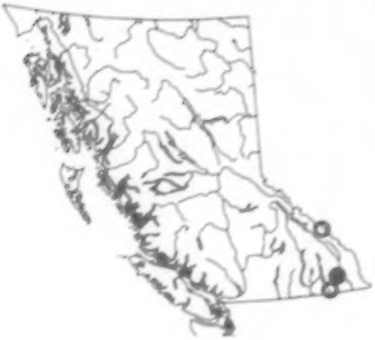
Thelypodium laciniatum
var. laciniatum



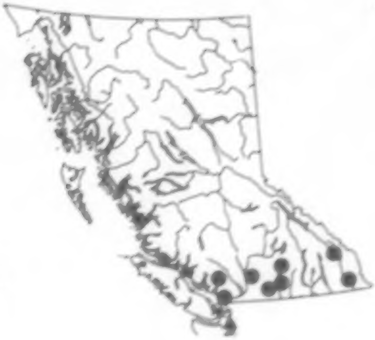
Thelypteris nevadensis



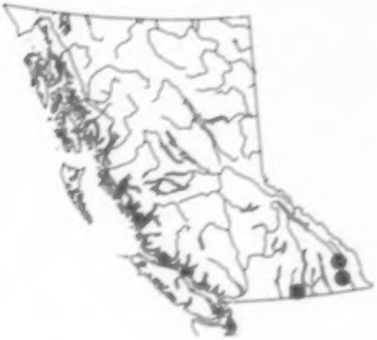
Thelypteris quelpaertensis



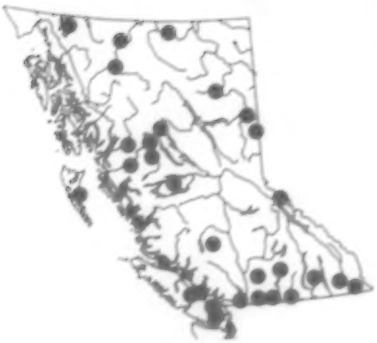
Thermopsis rhombifolia



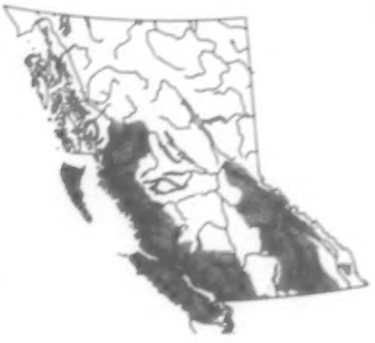
Thinopyrum intermedium



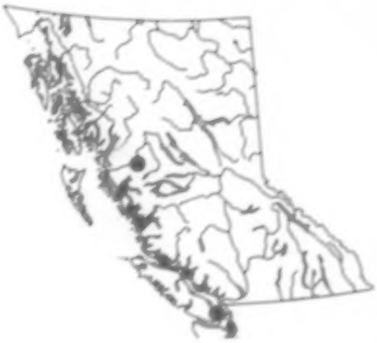
Thinopyrum ponticum



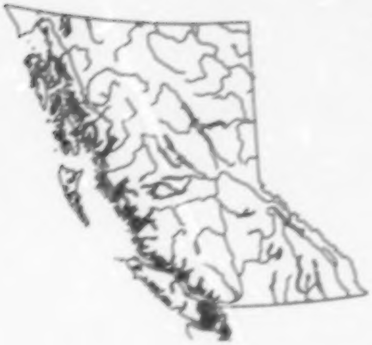
Thlaspi arvense



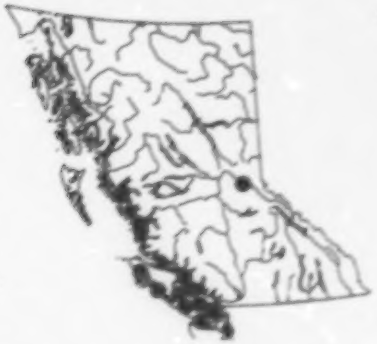
Thuja plicata



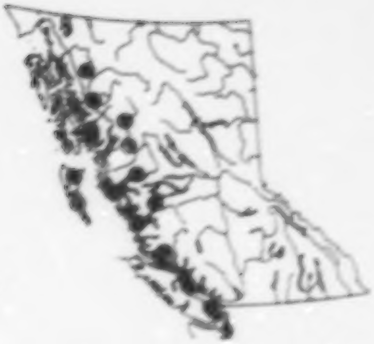
Thymus praecox ssp. arcticus



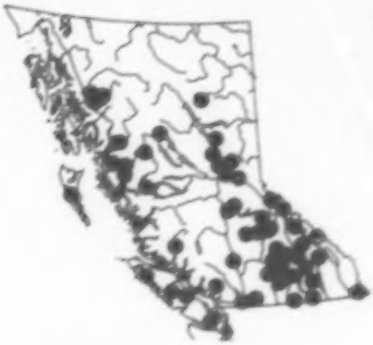
Thysanocarpus curvipes



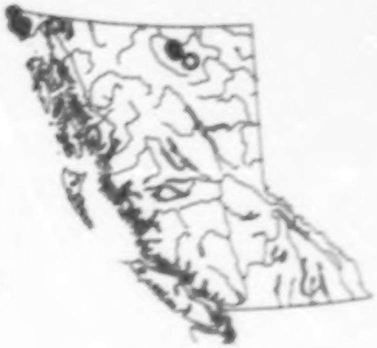
Tiarella trifoliata var. *laciniata*



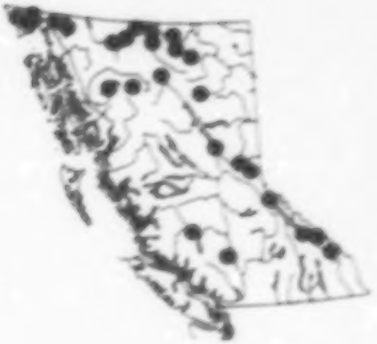
Tiarella trifoliata var. *trifoliata*



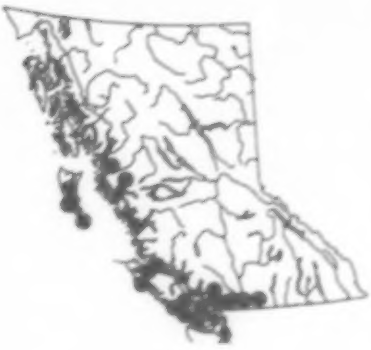
Tiarella trifoliata var. *unifoliata*



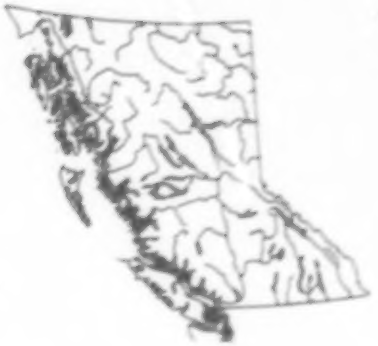
Tofieldia coccinea



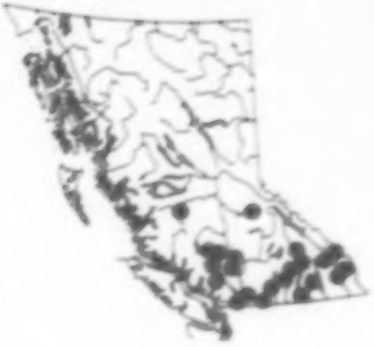
Tofieldia pusilla



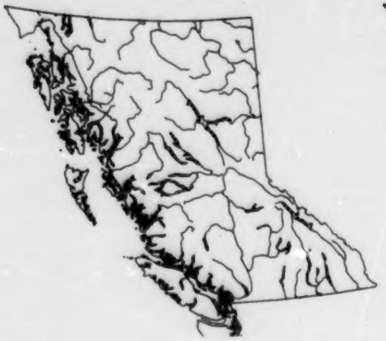
Tolmiea menziesii



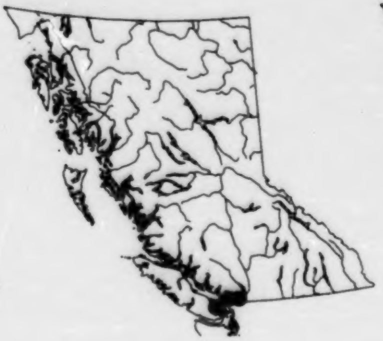
Tonella tenella



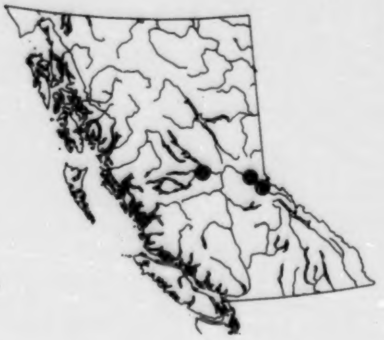
Tonestus lyallii



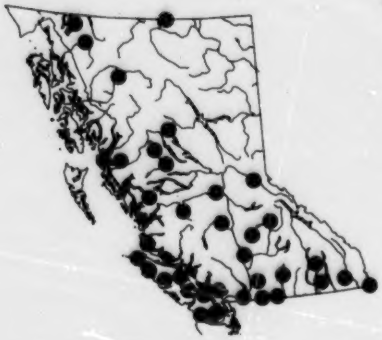
Torilis arvensis



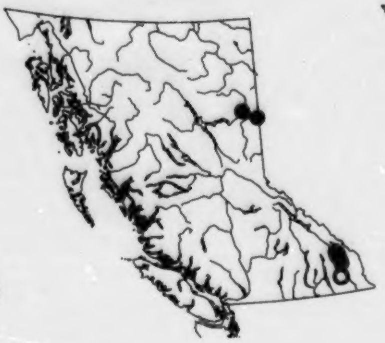
Torilis japonica



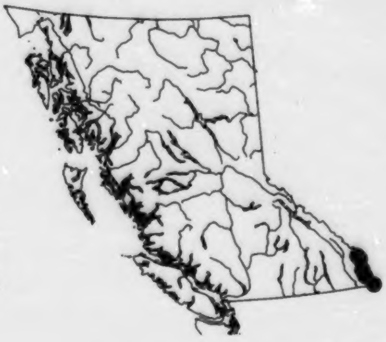
Torreyochloa pallida



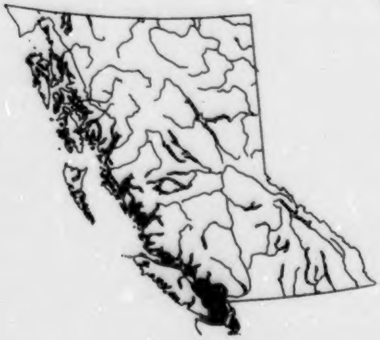
Torreyochloa pauciflora



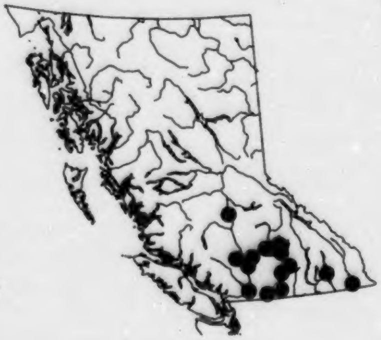
Townsendia hookeri



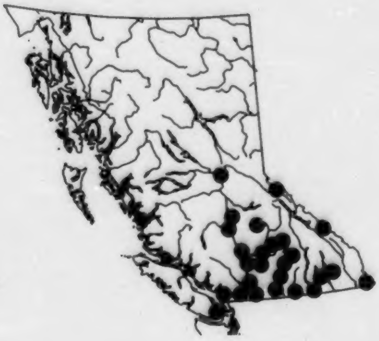
Townsendia parryi



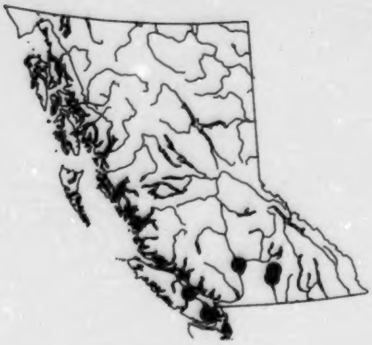
Toxicodendron diversilobum



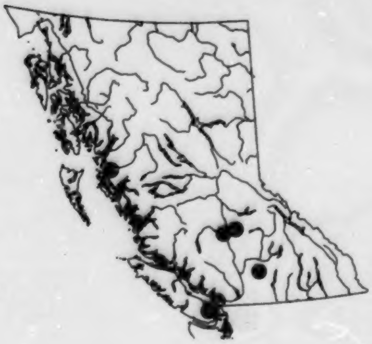
Toxicodendron rydbergii



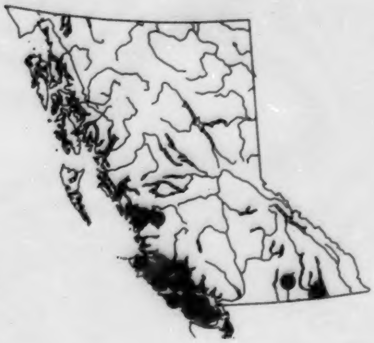
Tragopogon dubius



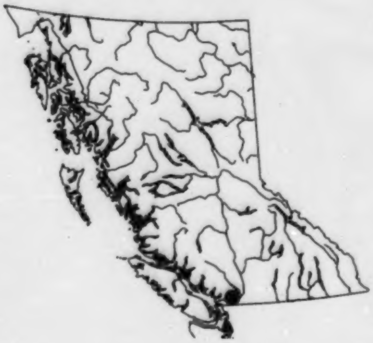
Tragopogon porrifolius



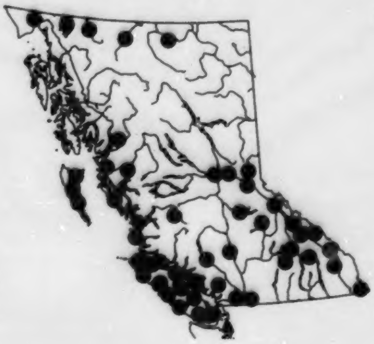
Tragopogon pratensis



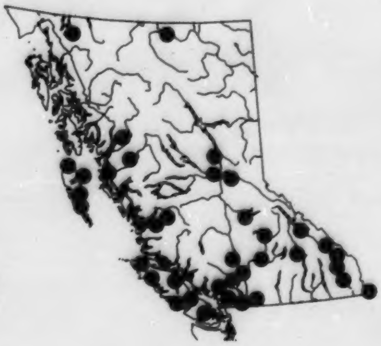
Trautvetteria caroliniensis



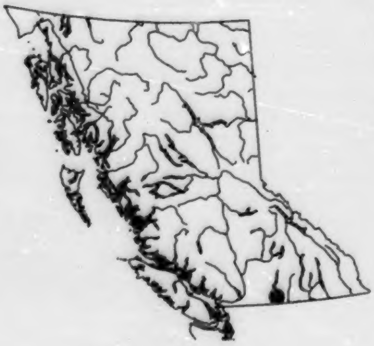
Triadenum fraseri



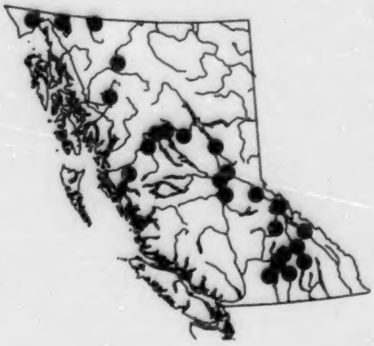
Triantha glutinosa



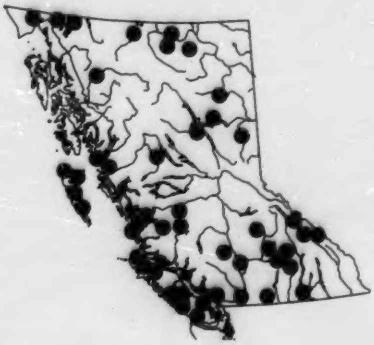
Triantha occidentalis sensu lato



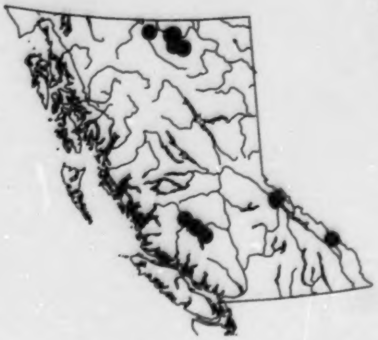
Tribulus terrestris



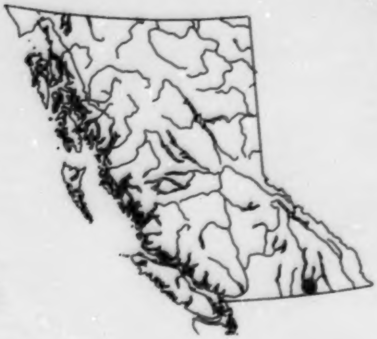
Trichophorum alpinum



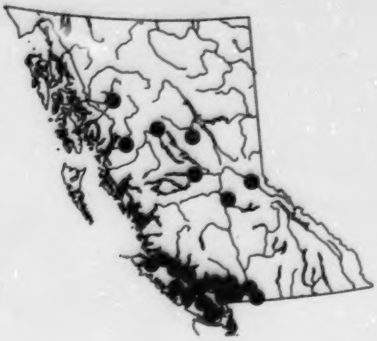
Trichophorum cespitosum



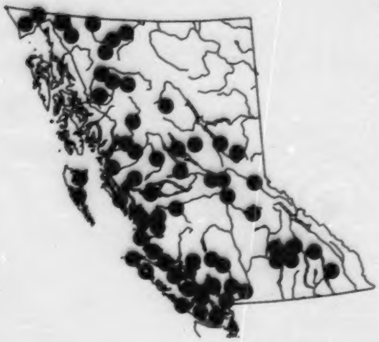
Trichophorum pumilum



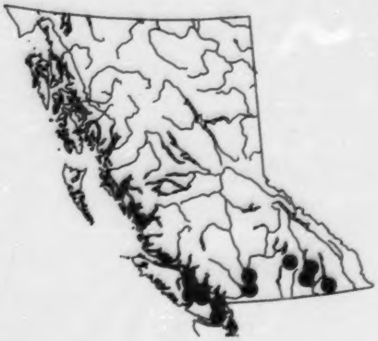
Trichostema oblongum



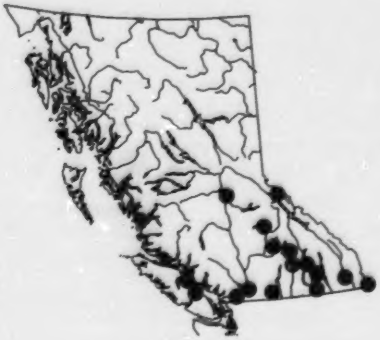
Trientalis borealis ssp. *latifolia*



Trientalis europaea ssp. *arctica*



Trifolium arvense



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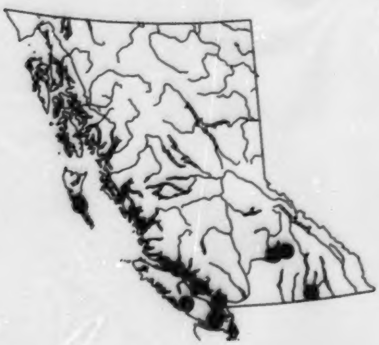
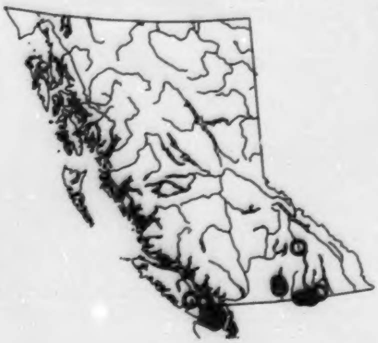
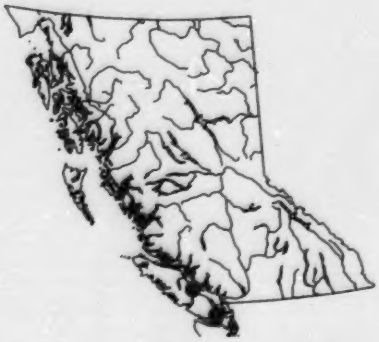


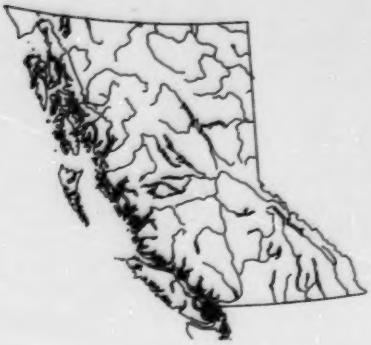
Trifolium campestre



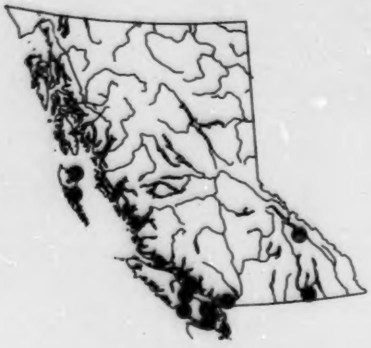
Trifolium cyathiferum



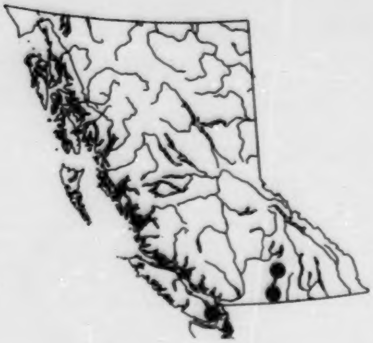
Trifolium depauperatum var. *depauperatum*



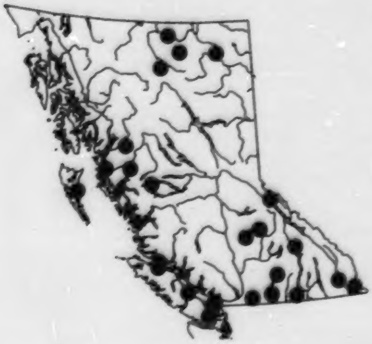
Trifolium dichotomum



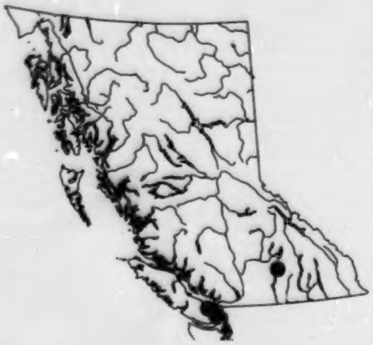
Trifolium dubium



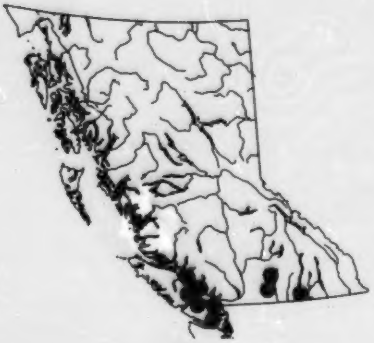
Trifolium fragiferum ssp. *bonannii*



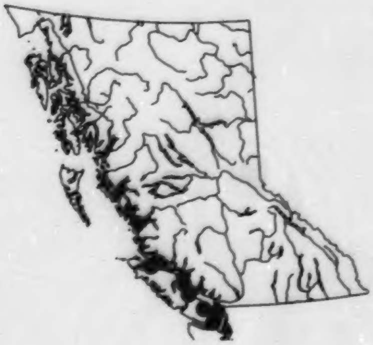
Trifolium hybridum



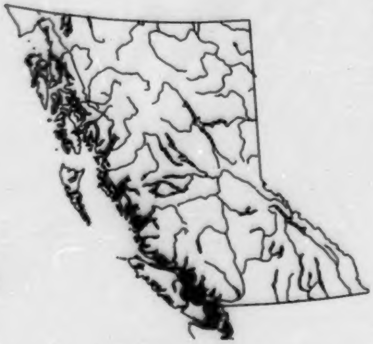
Trifolium incarnatum



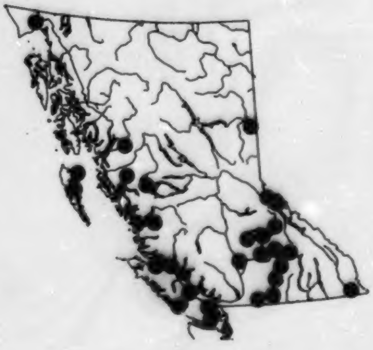
Trifolium microcephalum



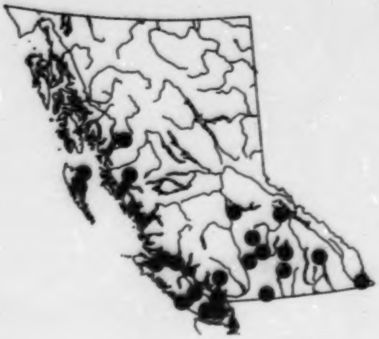
Trifolium microdon



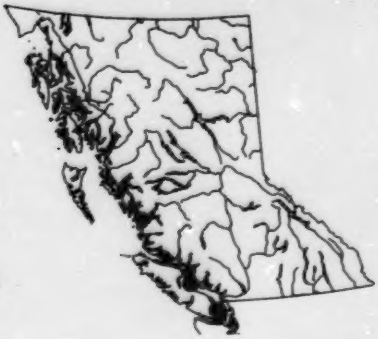
Trifolium oliganthum



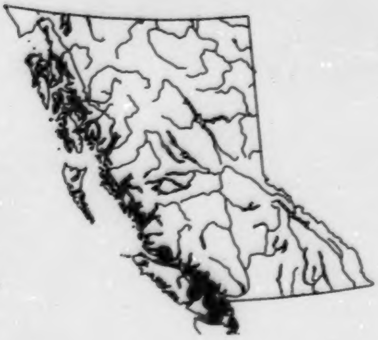
Trifolium pratense



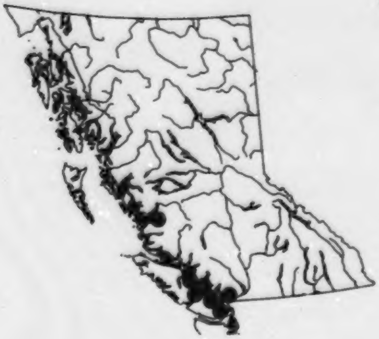
Trifolium repens



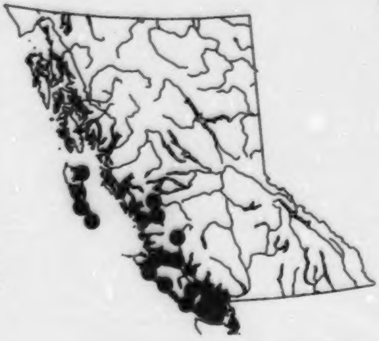
Trifolium subterraneum



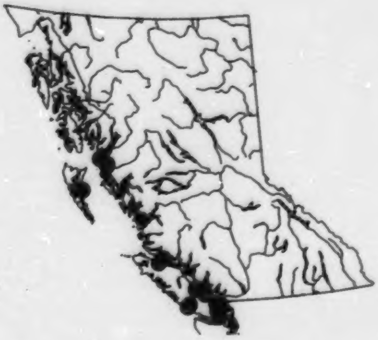
Trifolium variegatum



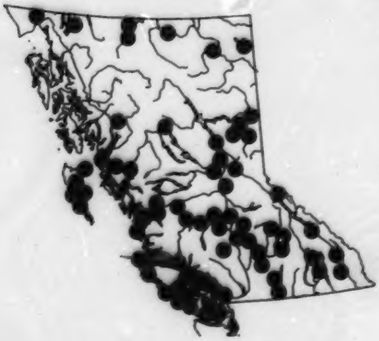
Trifolium willdenowii



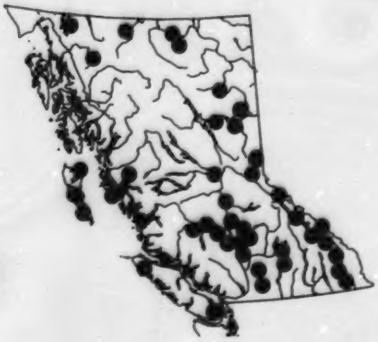
Trifolium wormskioldii



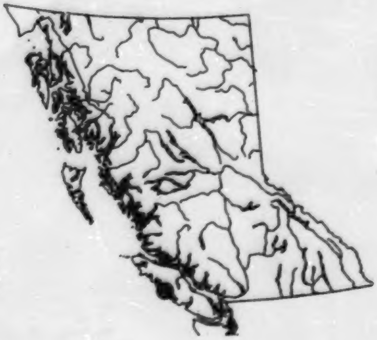
Triglochin concinna



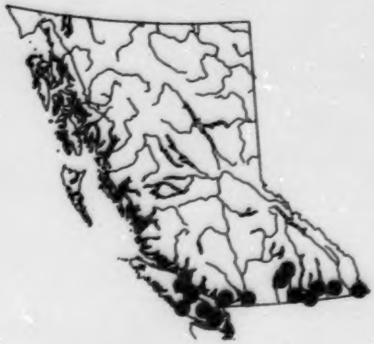
Triglochin maritima



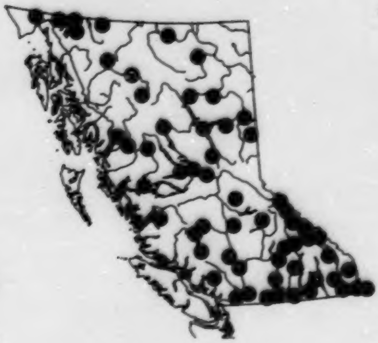
Triglochin palustris



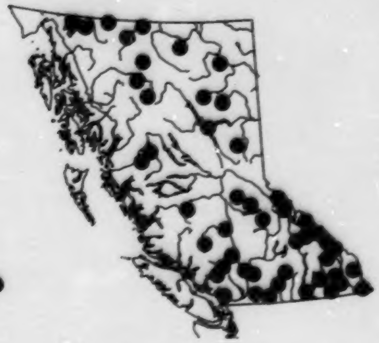
Trillium ovatum
var. hibbersonii



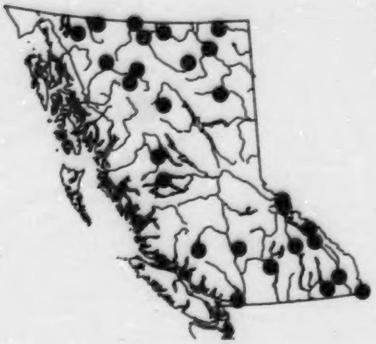
Trillium ovatum
var. *ovatum*



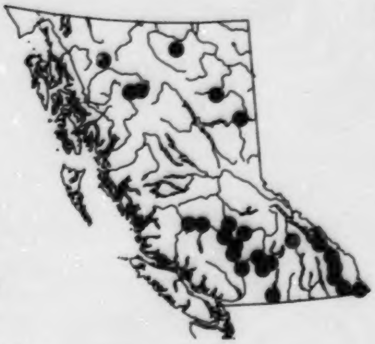
Trimorpha acris
var. *asteroides*



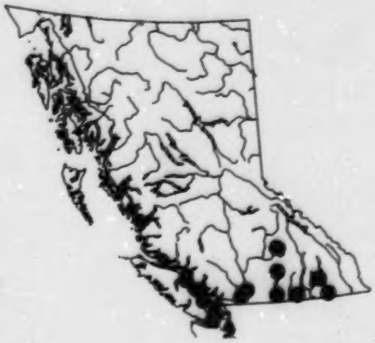
Trimorpha acris
var. *debilis*



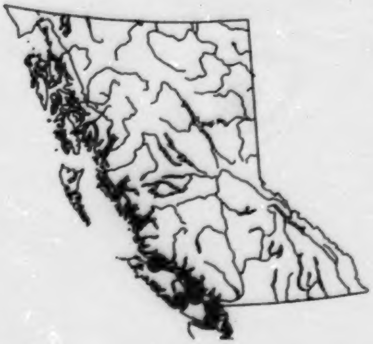
Trimorpha acris var. *elatus*



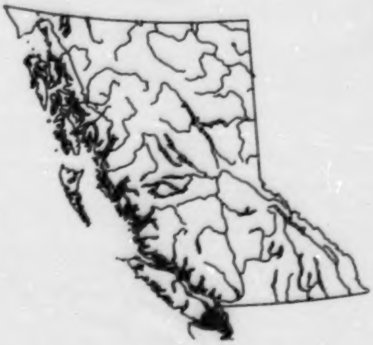
Trimorpha lonchophylla



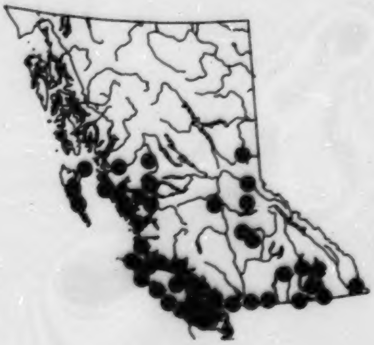
Triodanis perfoliata
var. *perfoliata*



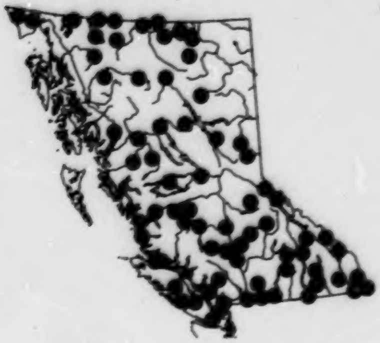
Triphysaria pusilla



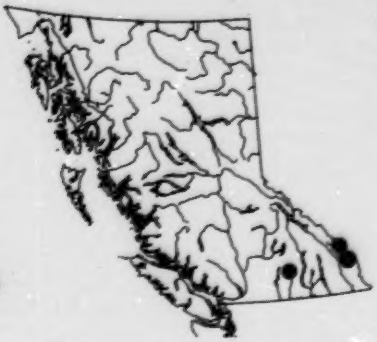
Triphysaria versicolor
ssp. *versicolor*



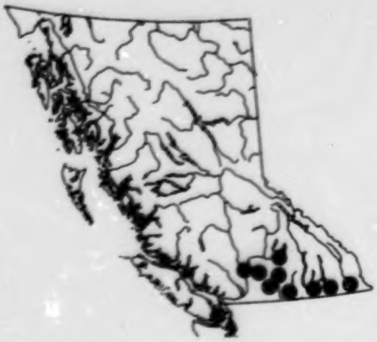
Trisetum canescens



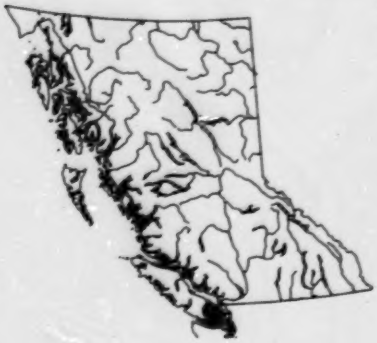
Trisetum spicatum



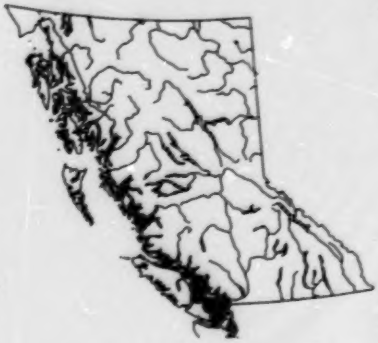
Trisetum wolfii



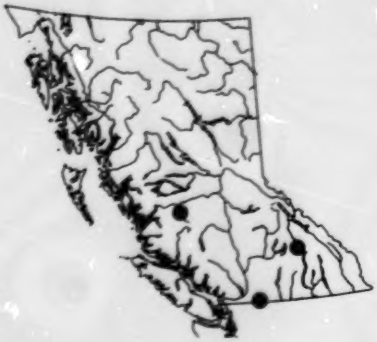
Triteleia grandiflora



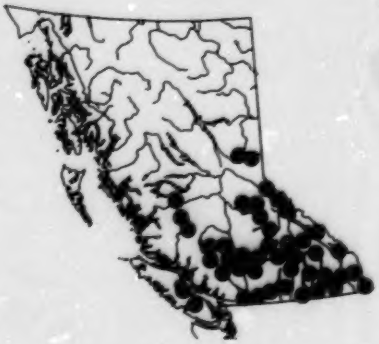
Triteleia howellii



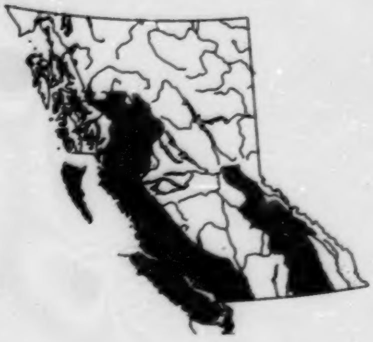
Triteleia hyacinthina



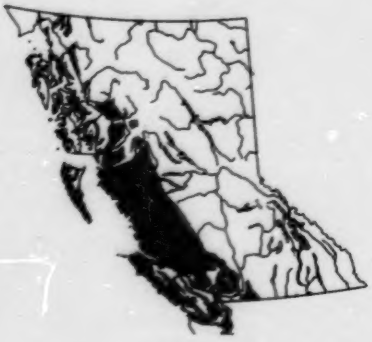
Triticum aestivum



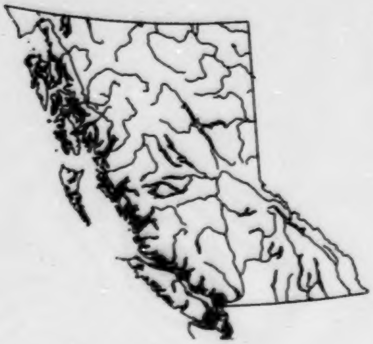
Trollius albiflorus



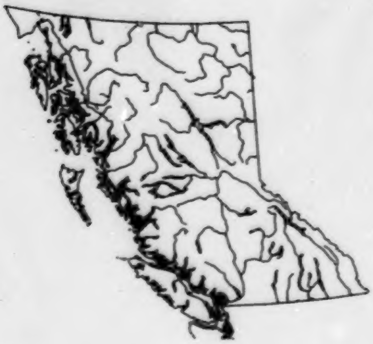
Tsuga heterophylla



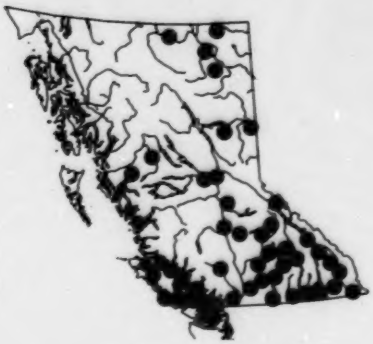
Tsuga mertensiana



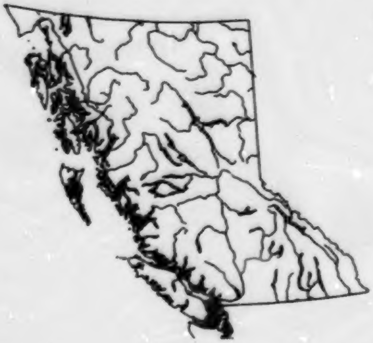
Tussilago farfara



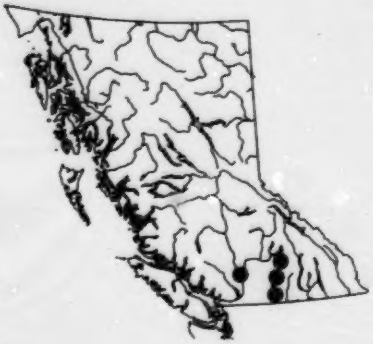
Typha angustifolia



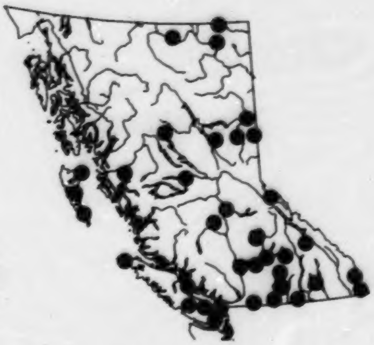
Typha latifolia



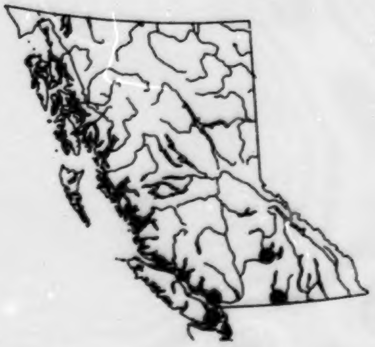
Ulex europaeus



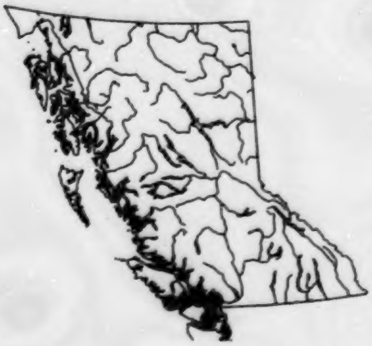
Ulmus pumila



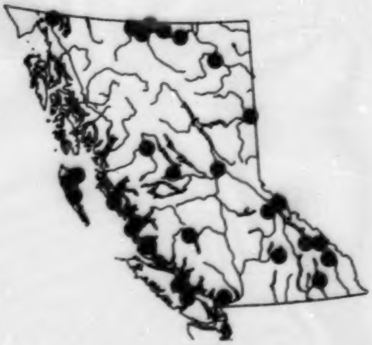
Urtica dioica sensu lato



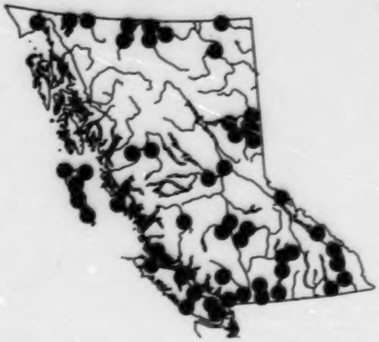
Urtica urens



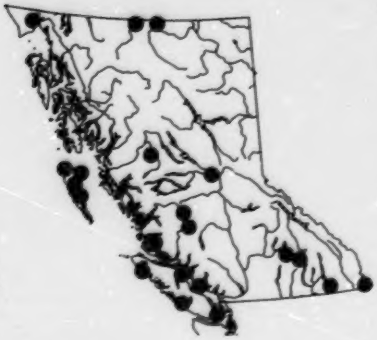
Utricularia gibba



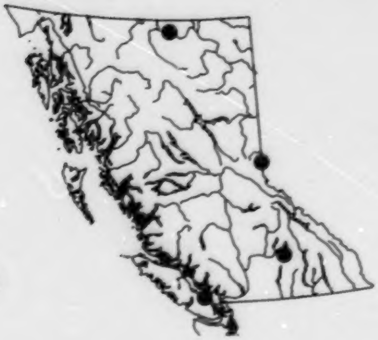
Utricularia intermedia



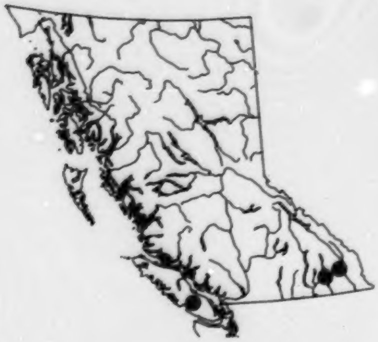
Utricularia macrorhiza



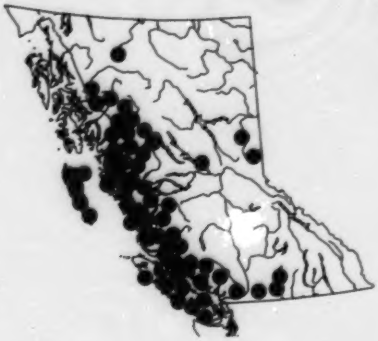
Utricularia minor



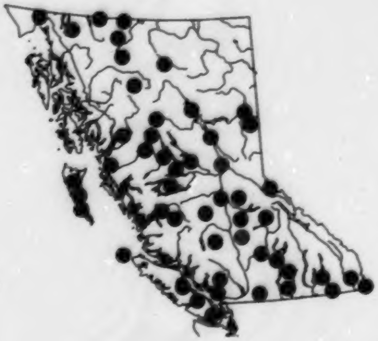
Utricularia ochroleuca



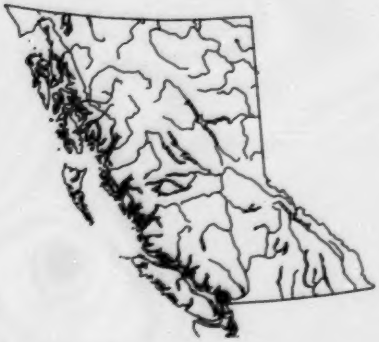
Vaccaria pyramidata



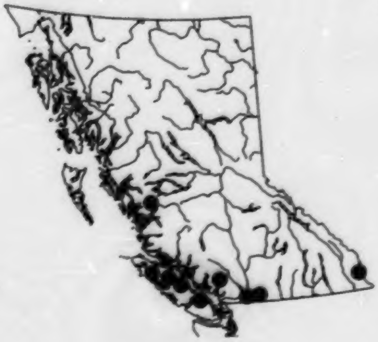
Vaccinium alaskaense



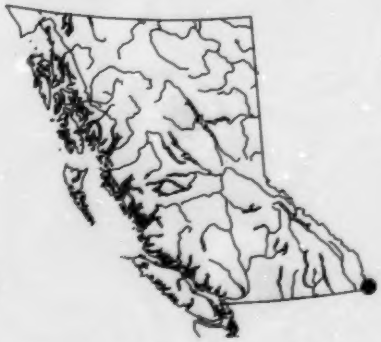
Vaccinium caespitosum



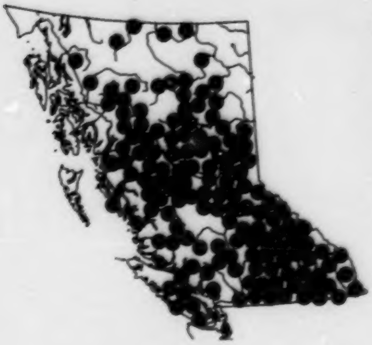
Vaccinium corymbosum



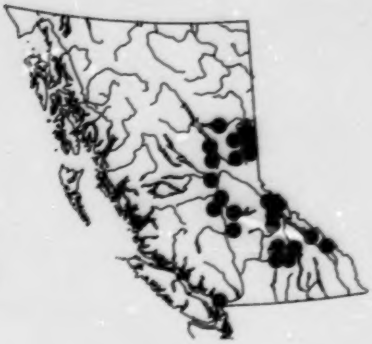
Vaccinium deliciosum



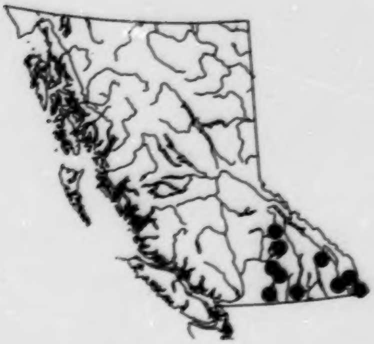
Vaccinium globulare



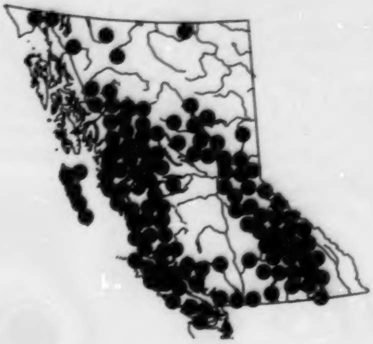
Vaccinium membranaceum



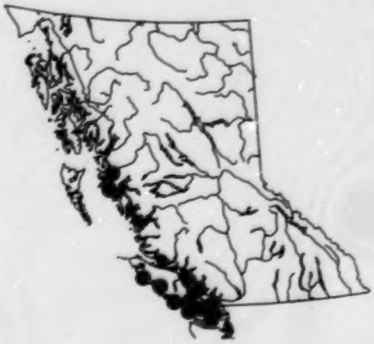
Vaccinium myrtilloides



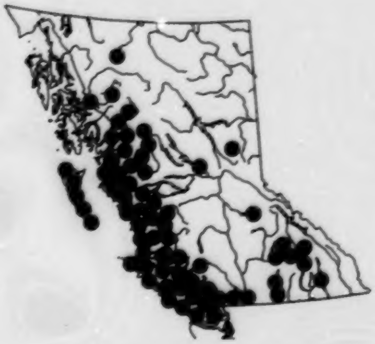
Vaccinium myrtillus



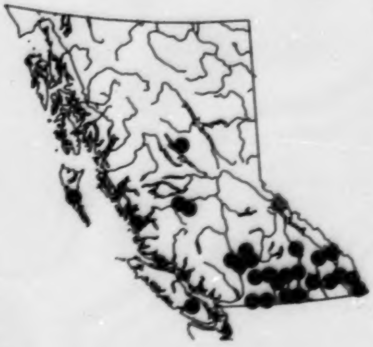
Vaccinium ovalifolium



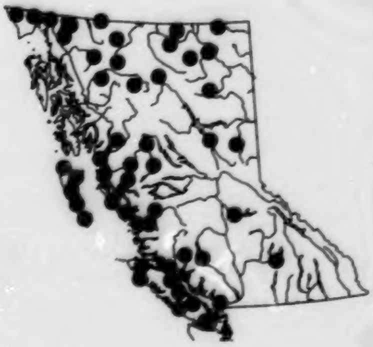
Vaccinium ovatum



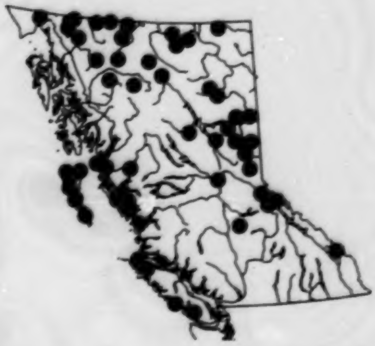
Vaccinium parvifolium



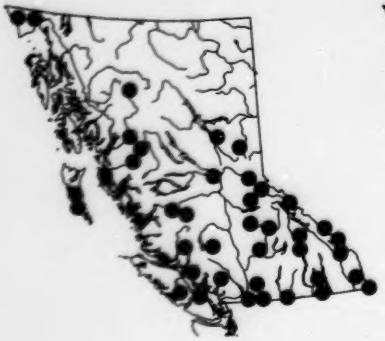
Vaccinium scoparium



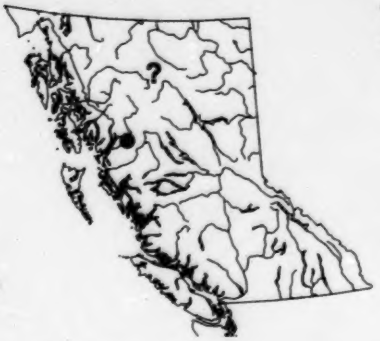
Vaccinium uliginosum
sensu lato



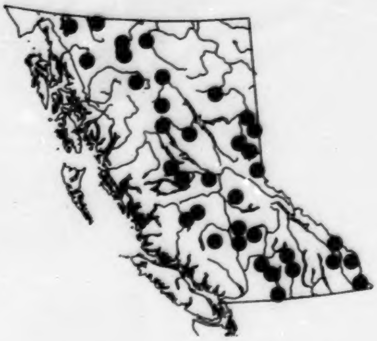
Vaccinium vitis-idaea
ssp. minus



Vahlodea atropurpurea



Valeriana capitata



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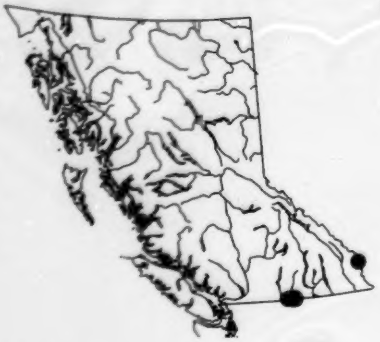

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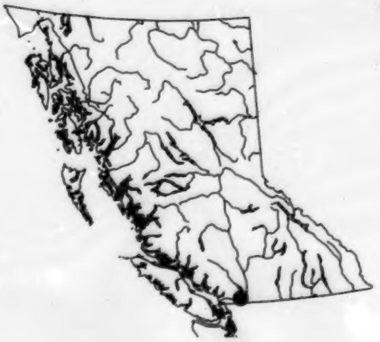

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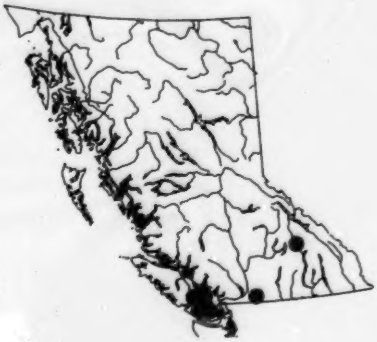

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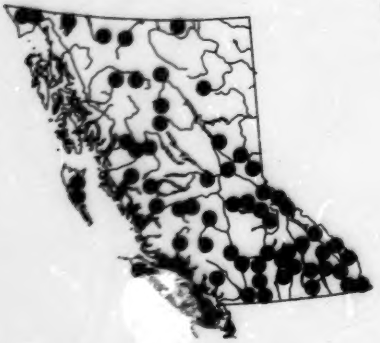

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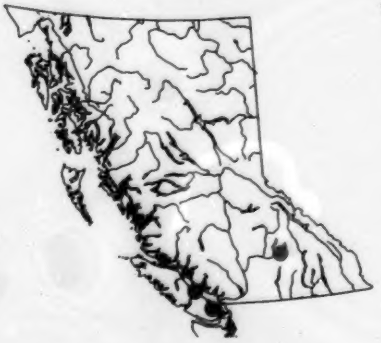

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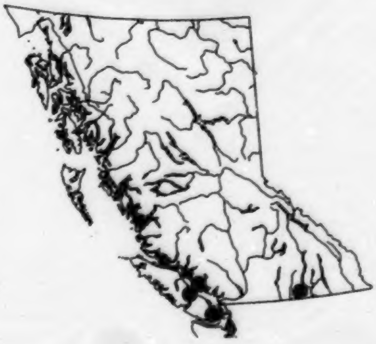

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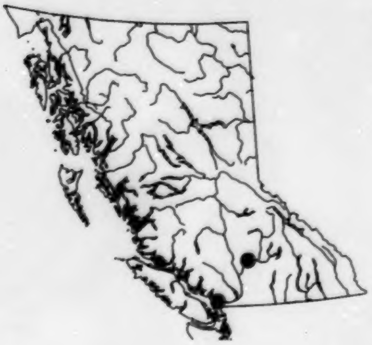
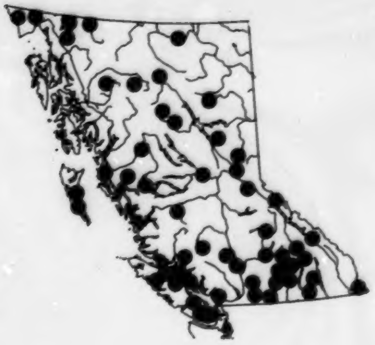
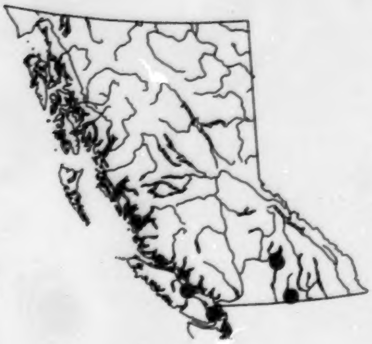


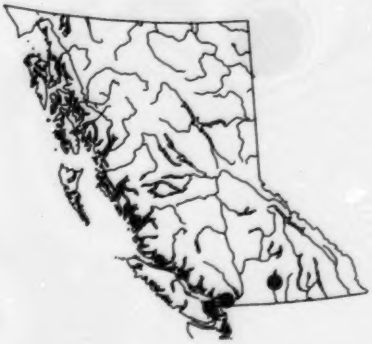
Ventenata dubia



Veratrum viride



Verbascum blattaria



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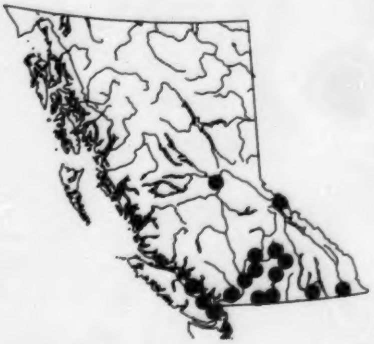

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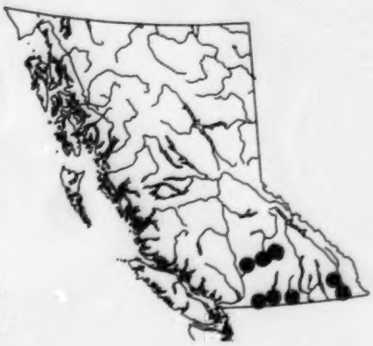

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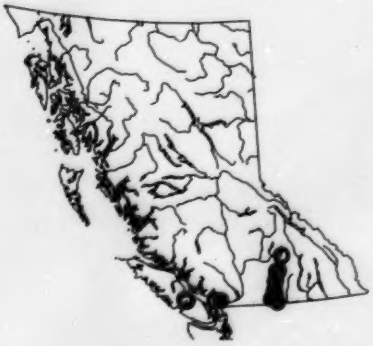

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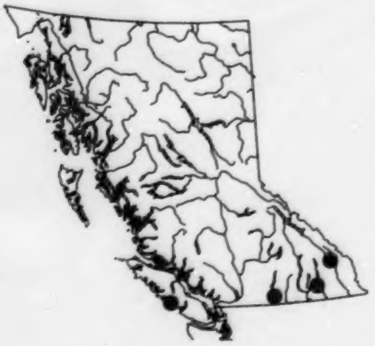

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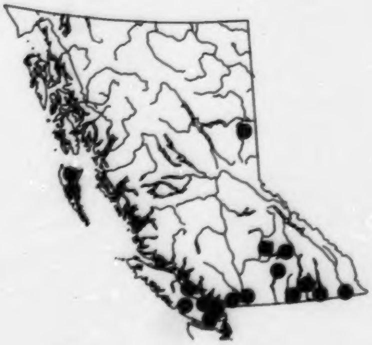

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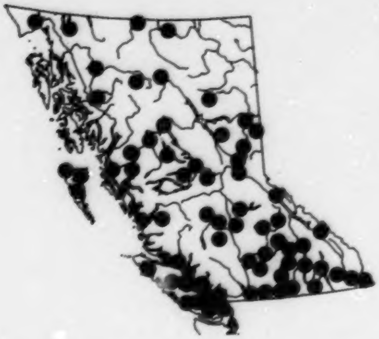
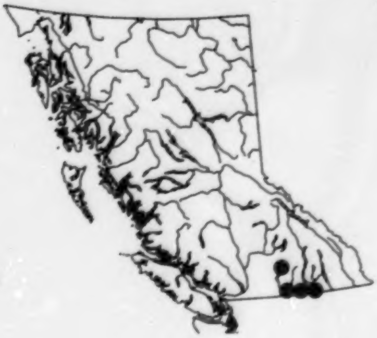


Veronica beccabunga
ssp. americana



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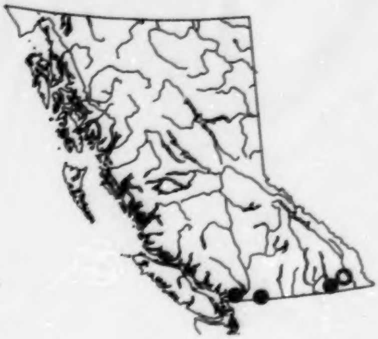

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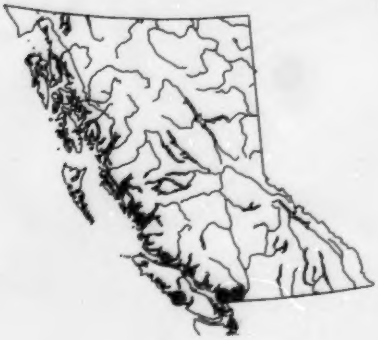

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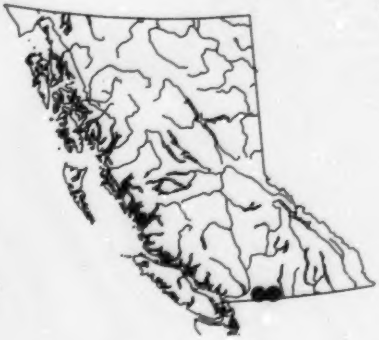
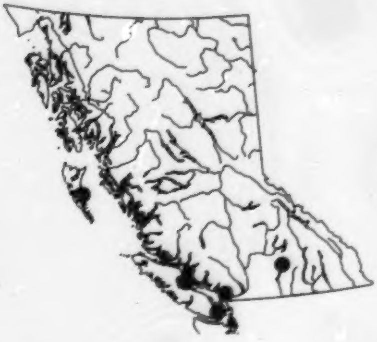


Veronica cusickii



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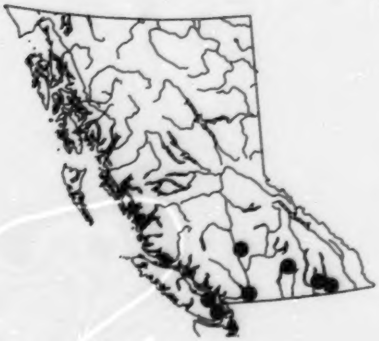

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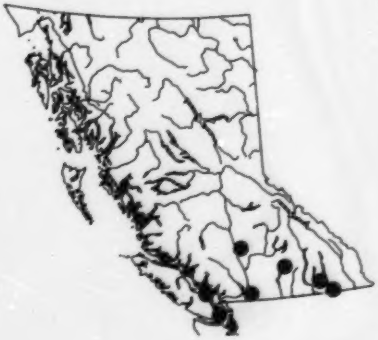

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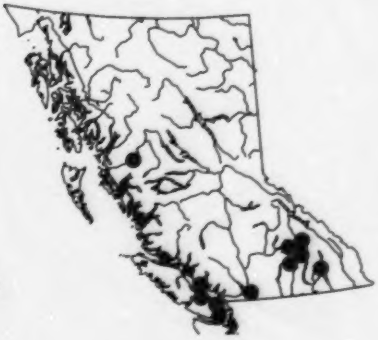

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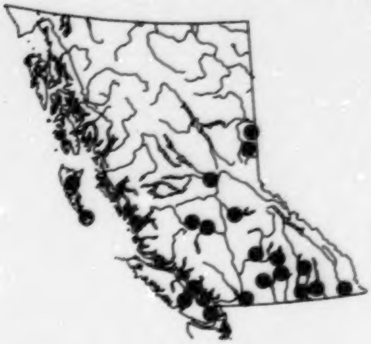
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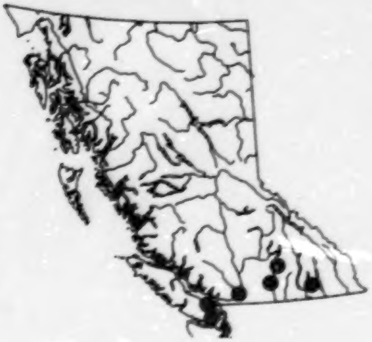
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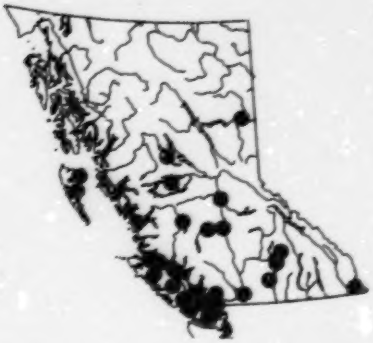
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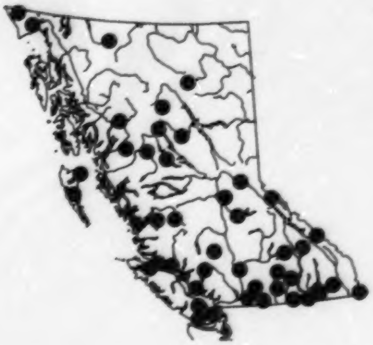
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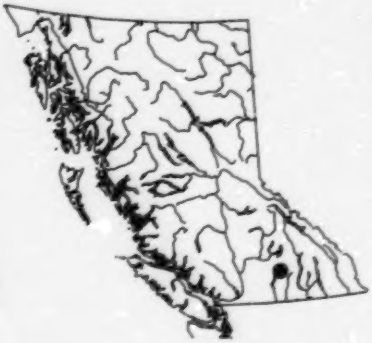
sensu lato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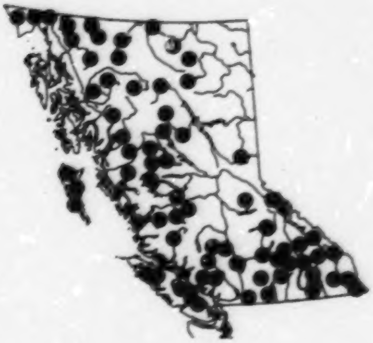
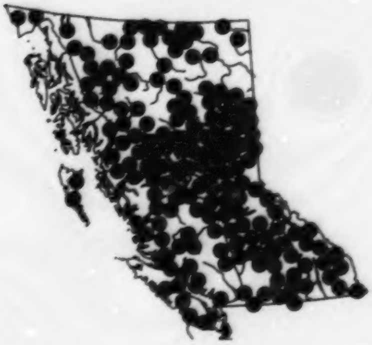
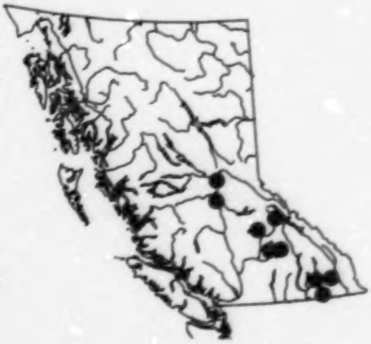

Veronica wormskjoldii
var. wormskjoldii


Viburnum edule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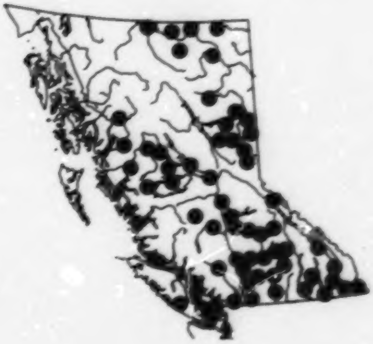
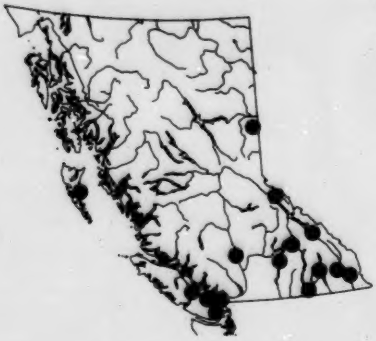
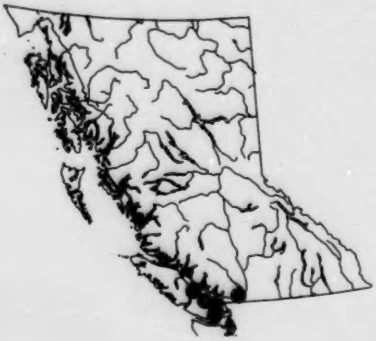
var. americanum


Vicia americana



Vicia cracca ssp. *cracca*



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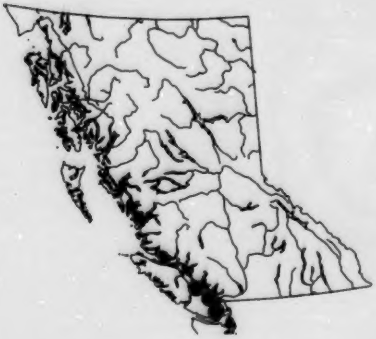

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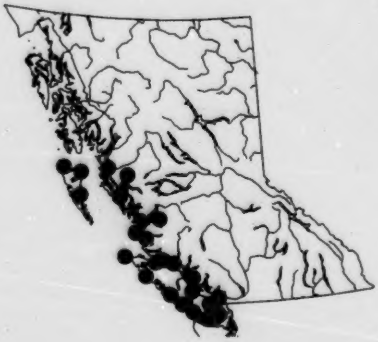
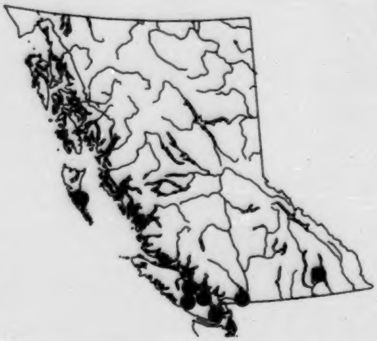
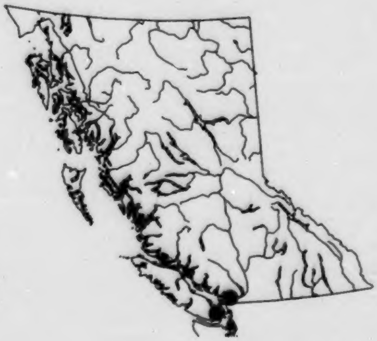


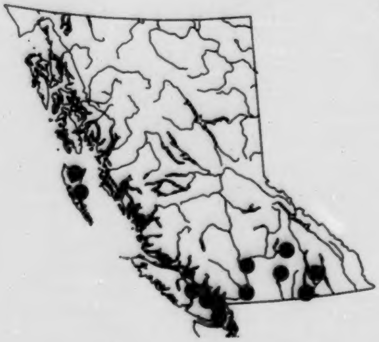
Vicia nigricans ssp. *gigantea*



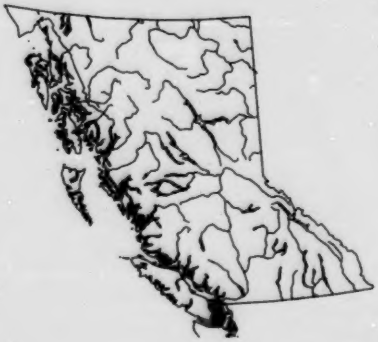
Vicia sativa sensu lato



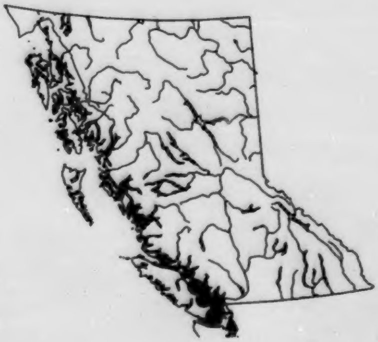
Vicia tetrasperma



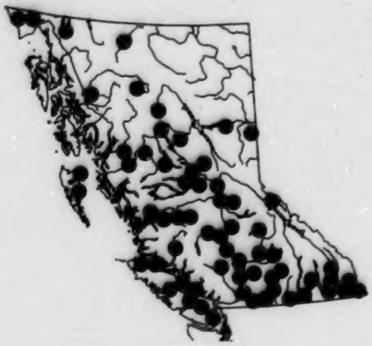
Vicia villosa ssp. *villosa*



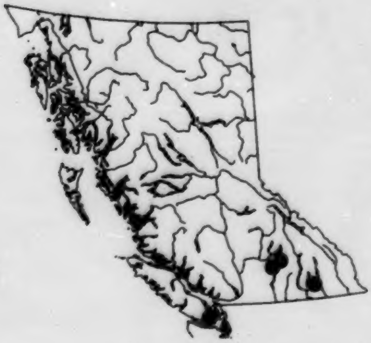
Vinca major



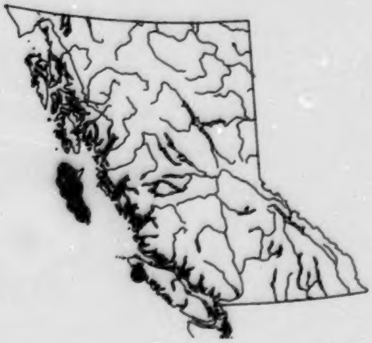
Vinca minor



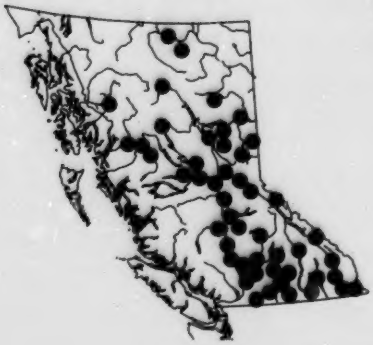
Viola adunca var. *adunca*



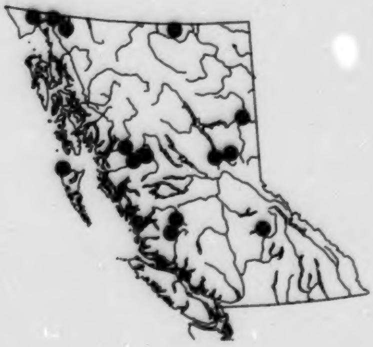
Viola arvensis



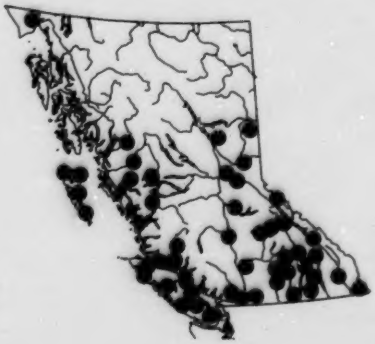
Viola biflora ssp. *carlottae*



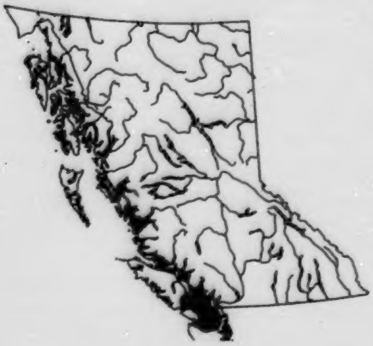
Viola canadensis
var. *rugulosa*



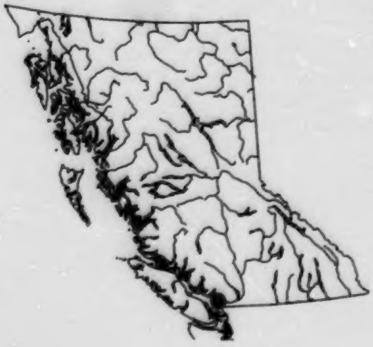
Viola epipsila ssp. *repens*



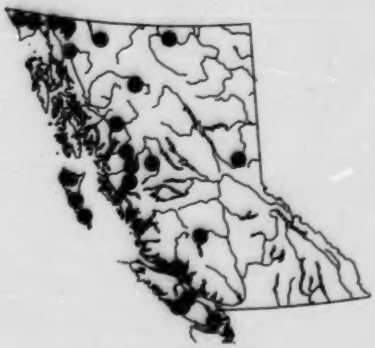
Viola glabella



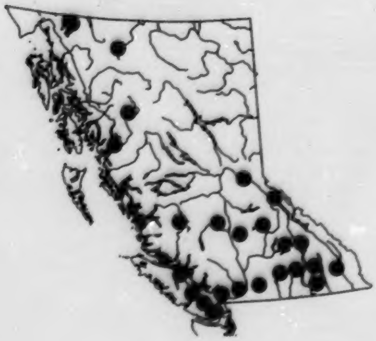
Viola howellii



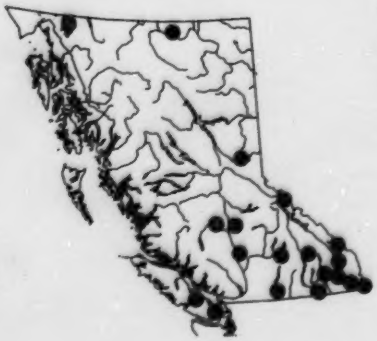
Viola lanceolata
ssp. *lanceolata*



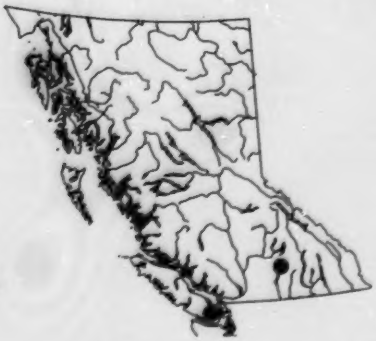
Viola langsdorfii



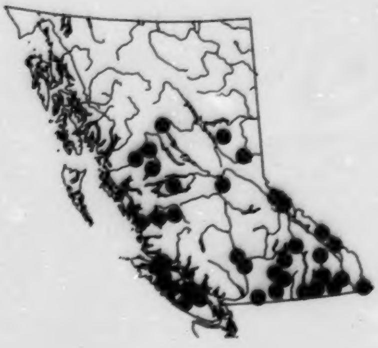
Viola macloskeyi



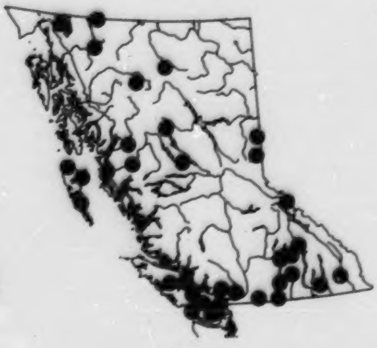
Viola nephrophylla sensu lato



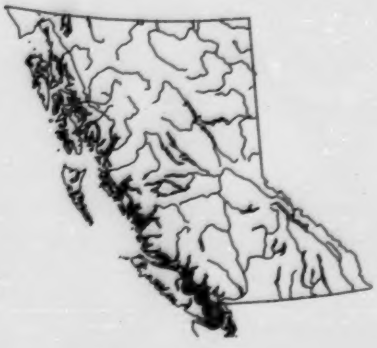
Viola odorata



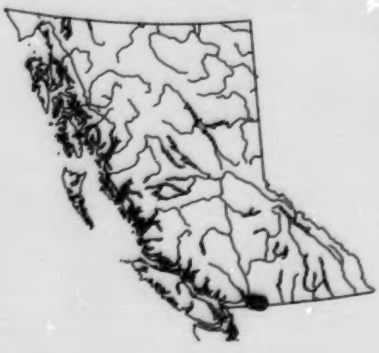
Viola orbiculata



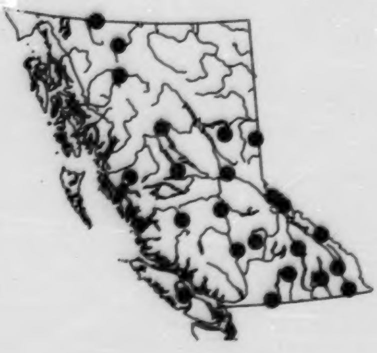
Viola palustris var. *palustris*



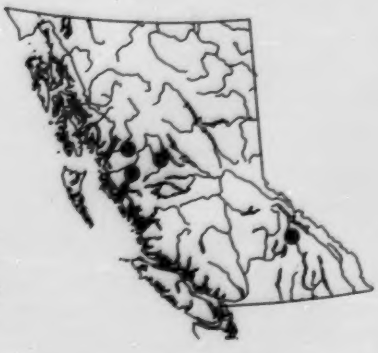
Viola praemorsa ssp. *praemorsa*



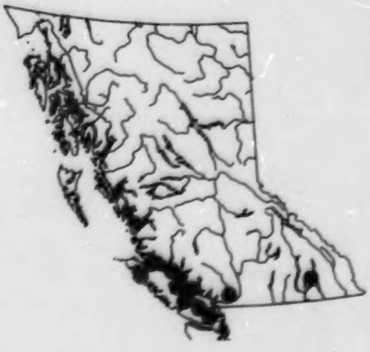
Viola purpurea var. *venosa*



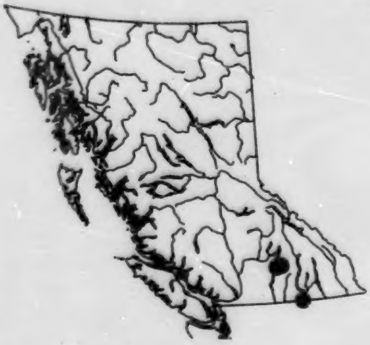
Viola renifolia



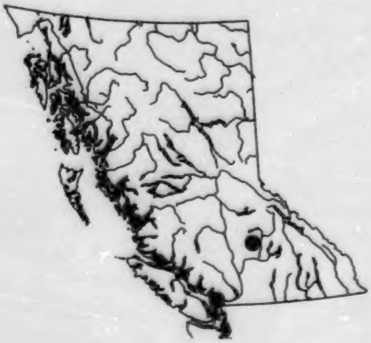
Viola selkirkii



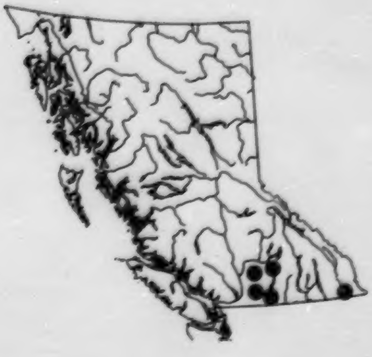
Viola sempervirens



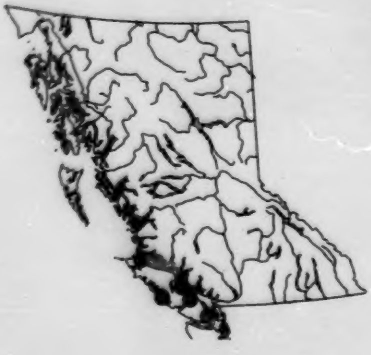
Viola septentrionalis



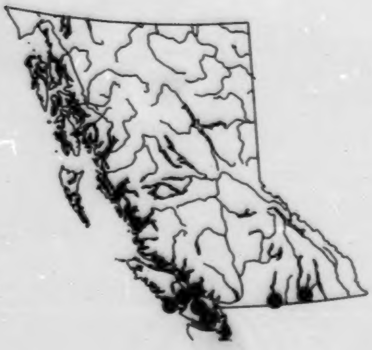
Viola tricolor ssp. *tricolor*



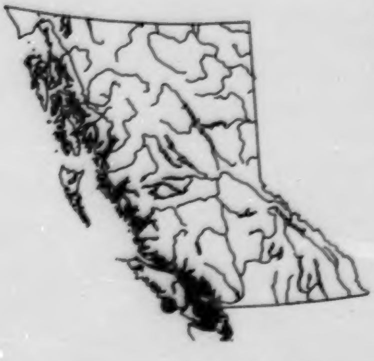
Viola vallicola var. *major*



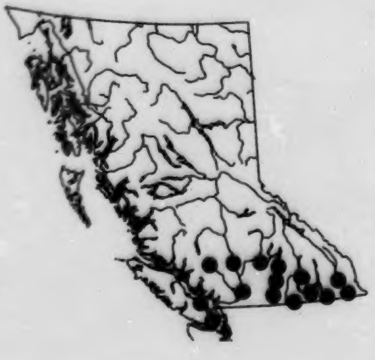
Vulpia bromoides



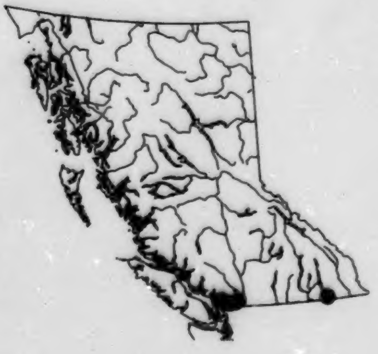
Vulpia microstachys



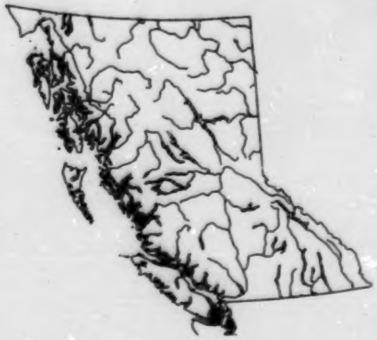
Vulpia myuros



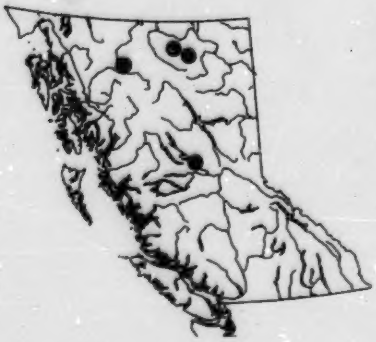
Vulpia octoflora



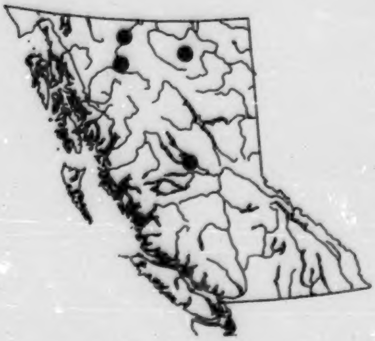
Wolffia borealis



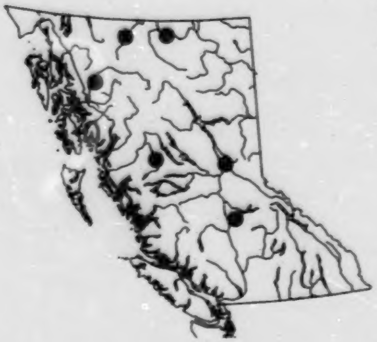
Wolffia columbiana



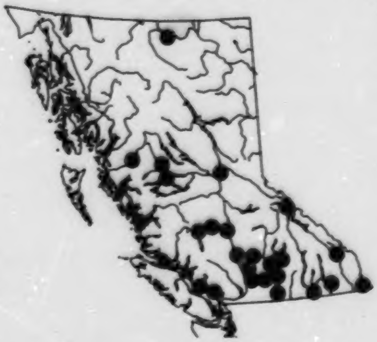
Woodsia alpina



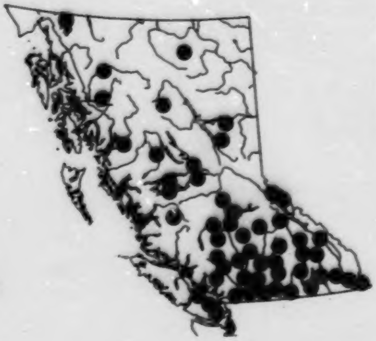
Woodsia glabella



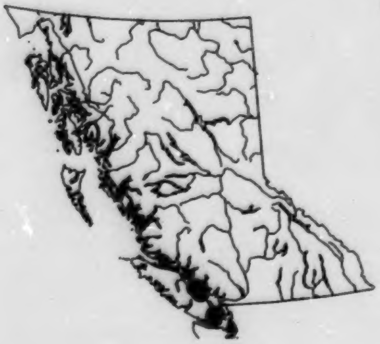
Woodsia ilvensis



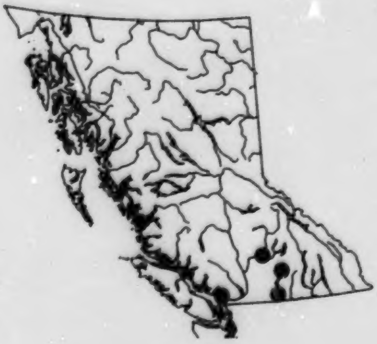
Woodsia oregana
ssp. *oregana*



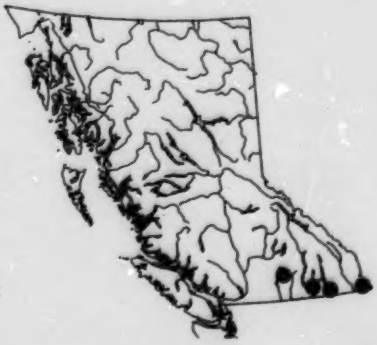
Woodsia scopulina



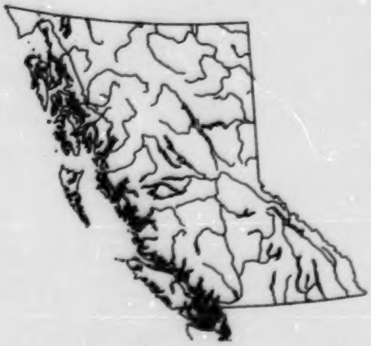
Woodwardia fimbriata



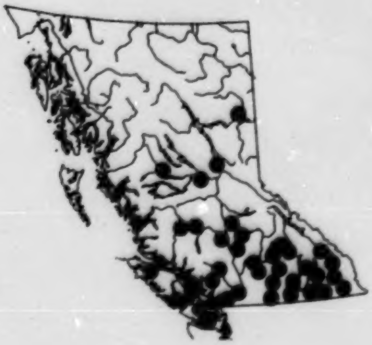
Xanthium strumarium
var. *canadense*



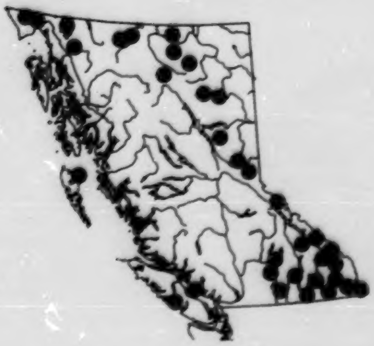
Xerophyllum tenax



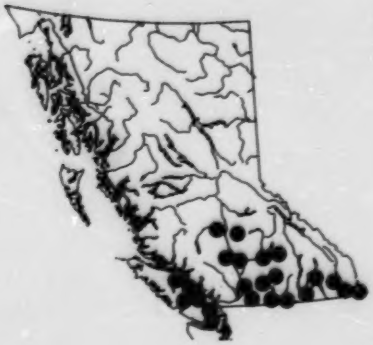
Yabea microcarpa



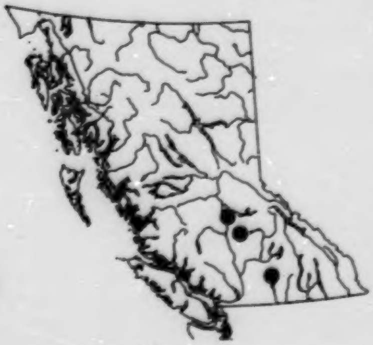
Zannichellia palustris



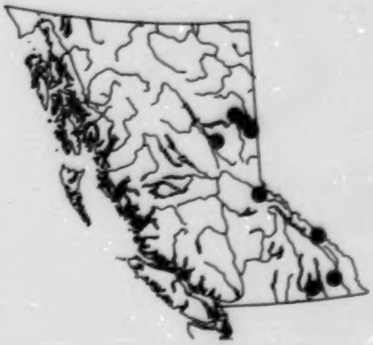
Zigadenus elegans ssp. *elegans*



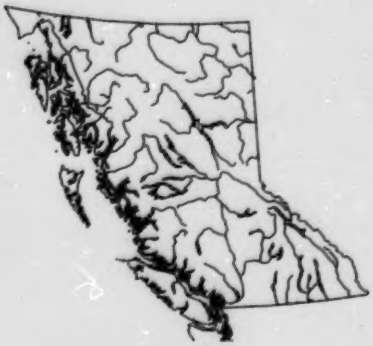
Zigadenus venenosus
sensu lato



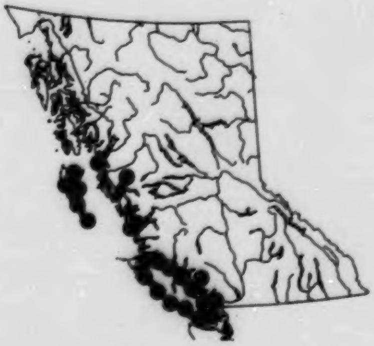
Zizania aquatica



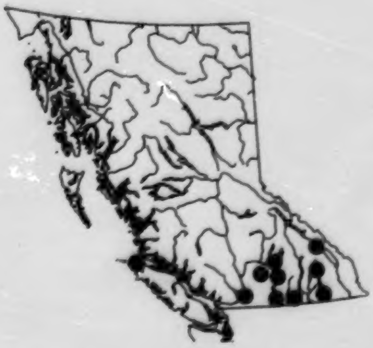
Zizia aptera



Zostera japonica



Zostera marina



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